

Air Force Civil Engineer Center



***FORMER
WILLIAMS AIR FORCE BASE***

Site ST012

**Former Liquid Fuel
Storage Area**

**BCT Meeting
27 February 2020**

Battle Ready...Built Right!



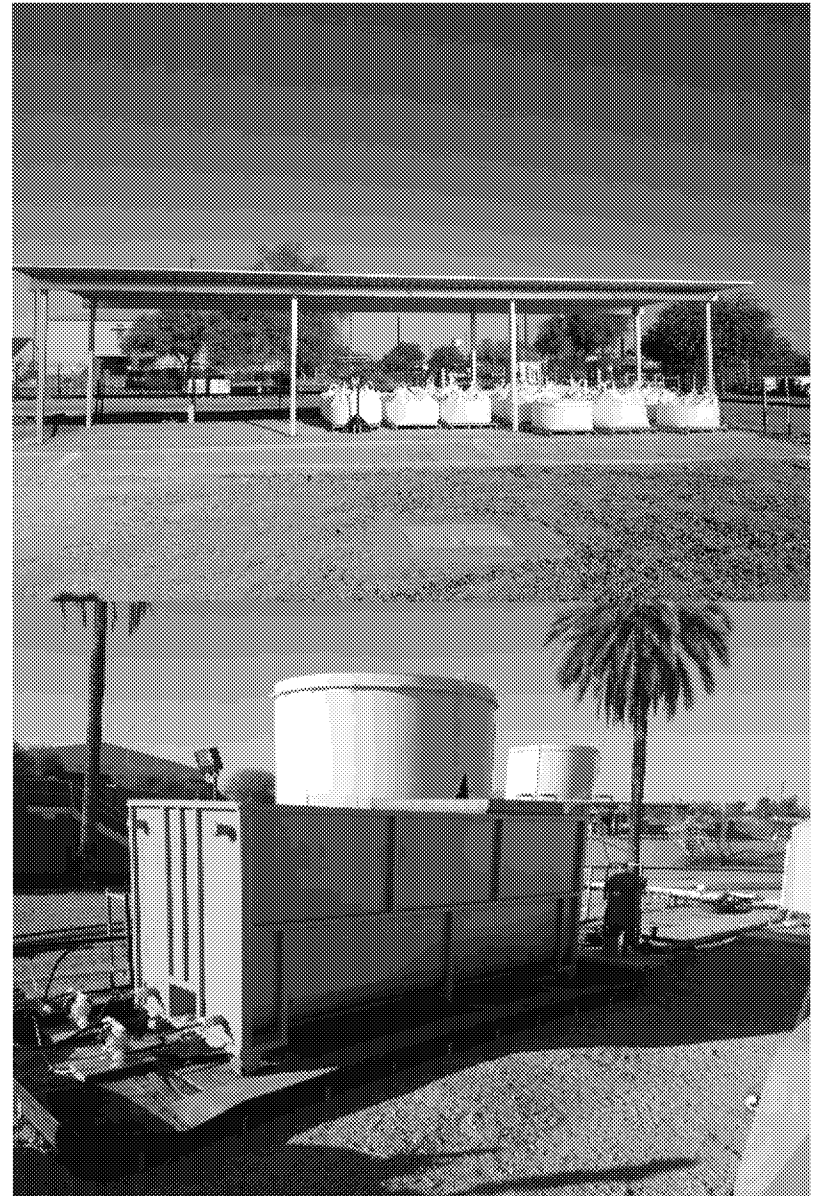
Site ST012 Outline

- **Summary of activities since Jan BCT call**
- **Quarterly (Q4) Update on SVE system**
- **SVE Rebound Analysis**
- **LNAPL removal update**
- **Updated on benzene and sulfate concentrations**
- **Update on biological testing (SIP)**
- **Pilot study extraction/injection update**
- **Path forward**



Site ST012 Activities Since Jan

- **SVE Rebound Monitoring (shut down end of Dec)**
- **SVE blower variable frequency drive repaired**
- **LNAPL screening in select wells**
- **Pump Repairs**
 - CZ21 shut down
 - UWBZ21 limited pumping due to high temperatures
 - UWBZ22 pneumatic pump plugging
 - UWBZ30 continues to pump
 - Pump reinstalled in LSZ37 – Run for ~3 weeks
- **Preparations for and deployment of BioTraps for stable isotope probe (SIP) (detail on later slide)**
- **Sodium sulfate injections**





SVE Update



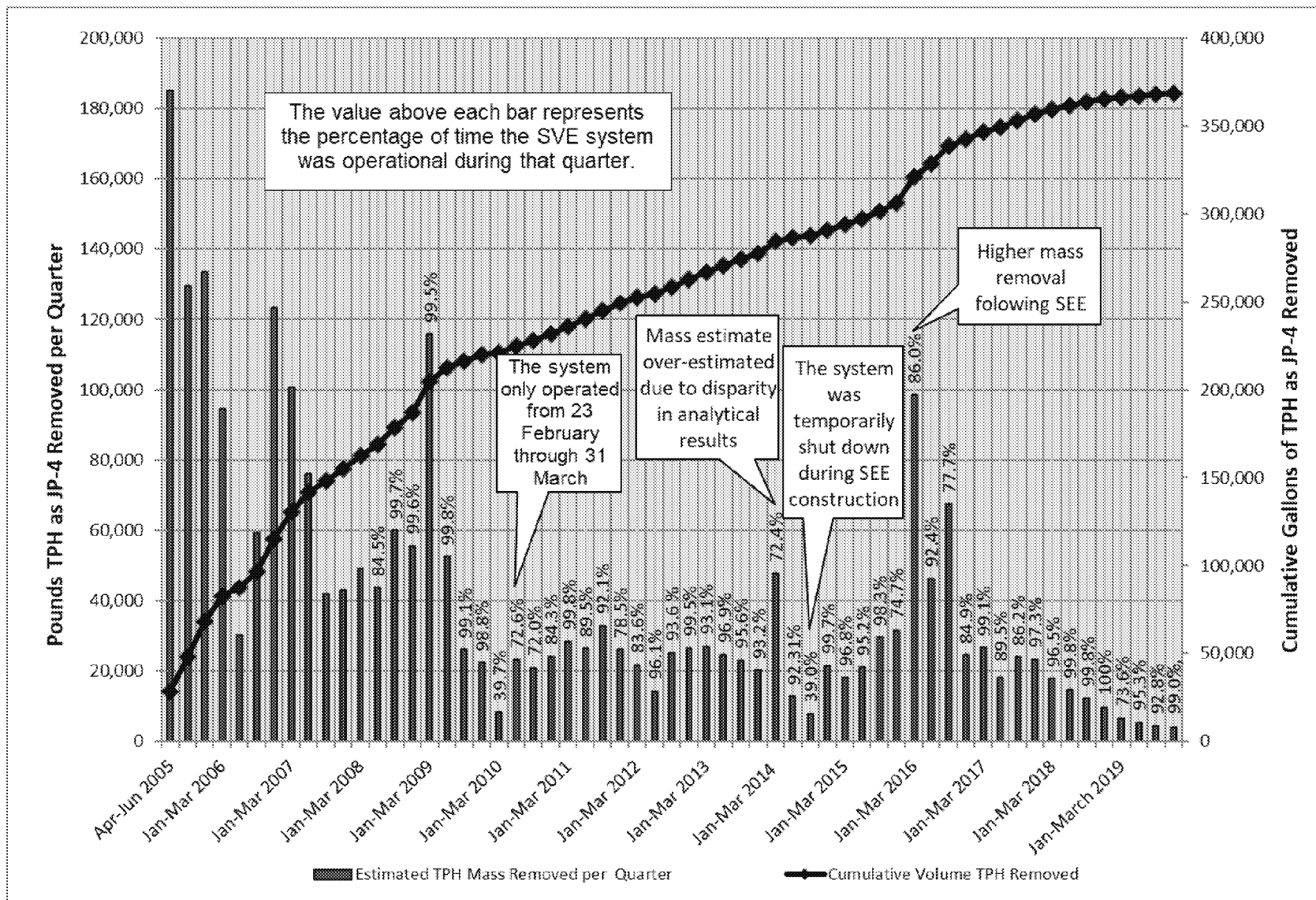
Site ST012 SVE System Update

- **Oct – Dec 2019**
 - 98.96% operational uptime CAT2
 - Total petroleum hydrocarbon (TPH) removed – 4,458 pounds or 679 gallons





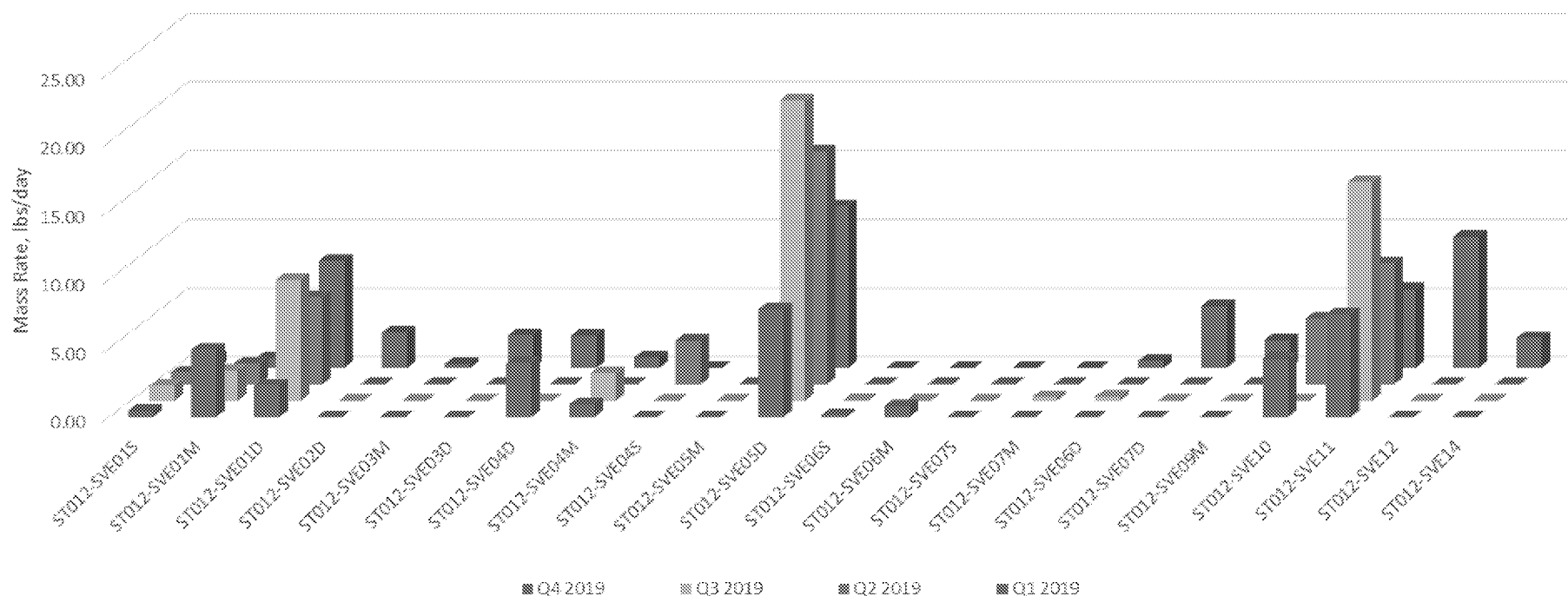
Site ST012 SVE System Performance





Site ST012 SVE System Performance

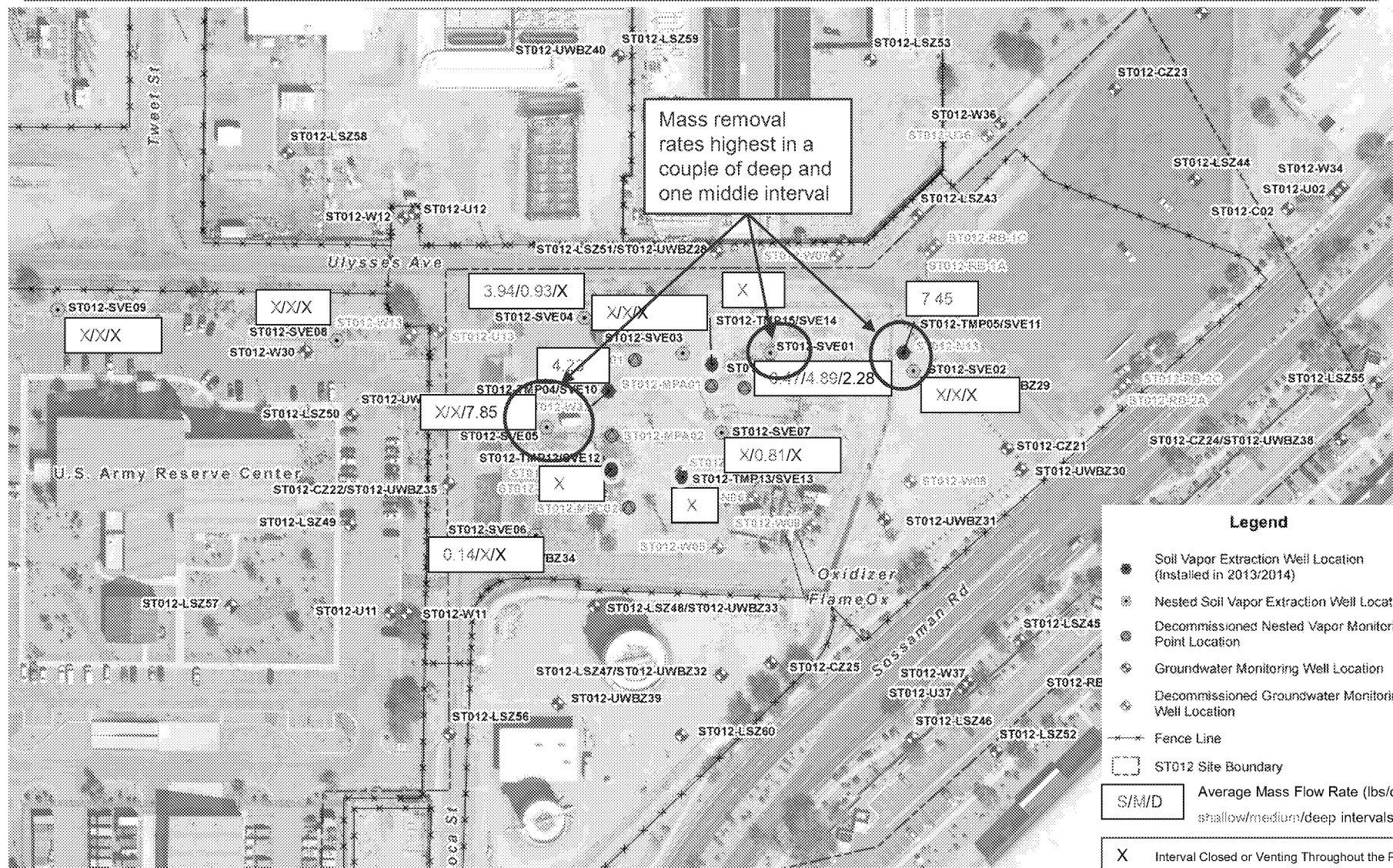
Individual Well TPH Mass Rate for Q1, Q2, Q3, & Q4 2019



*Sulfate injection pipe installed in SVE04D and flow meter removed. Flow rate averaged based on wellhead vacuum.

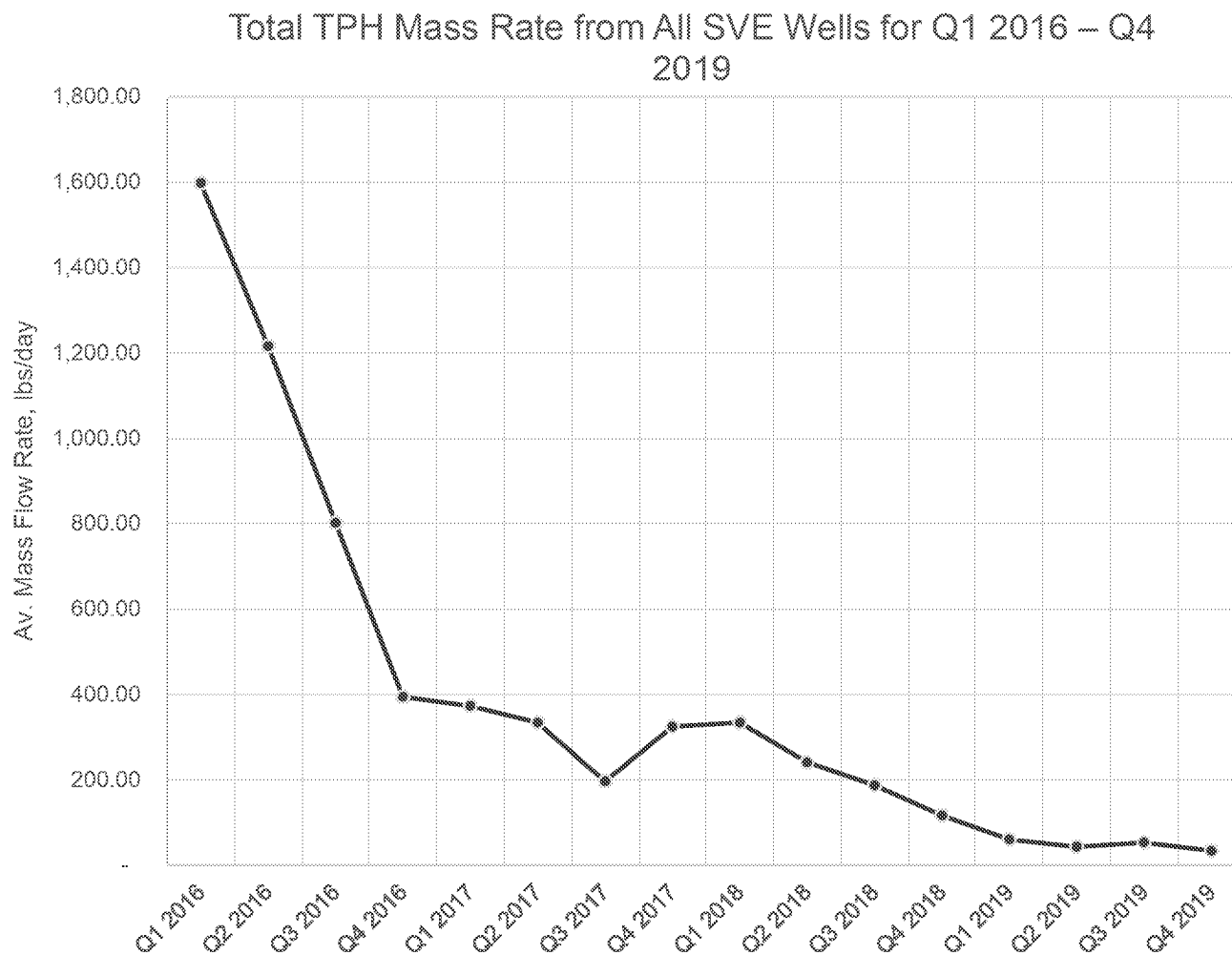


Site ST012 SVE System Performance





Site ST012 SVE System Performance

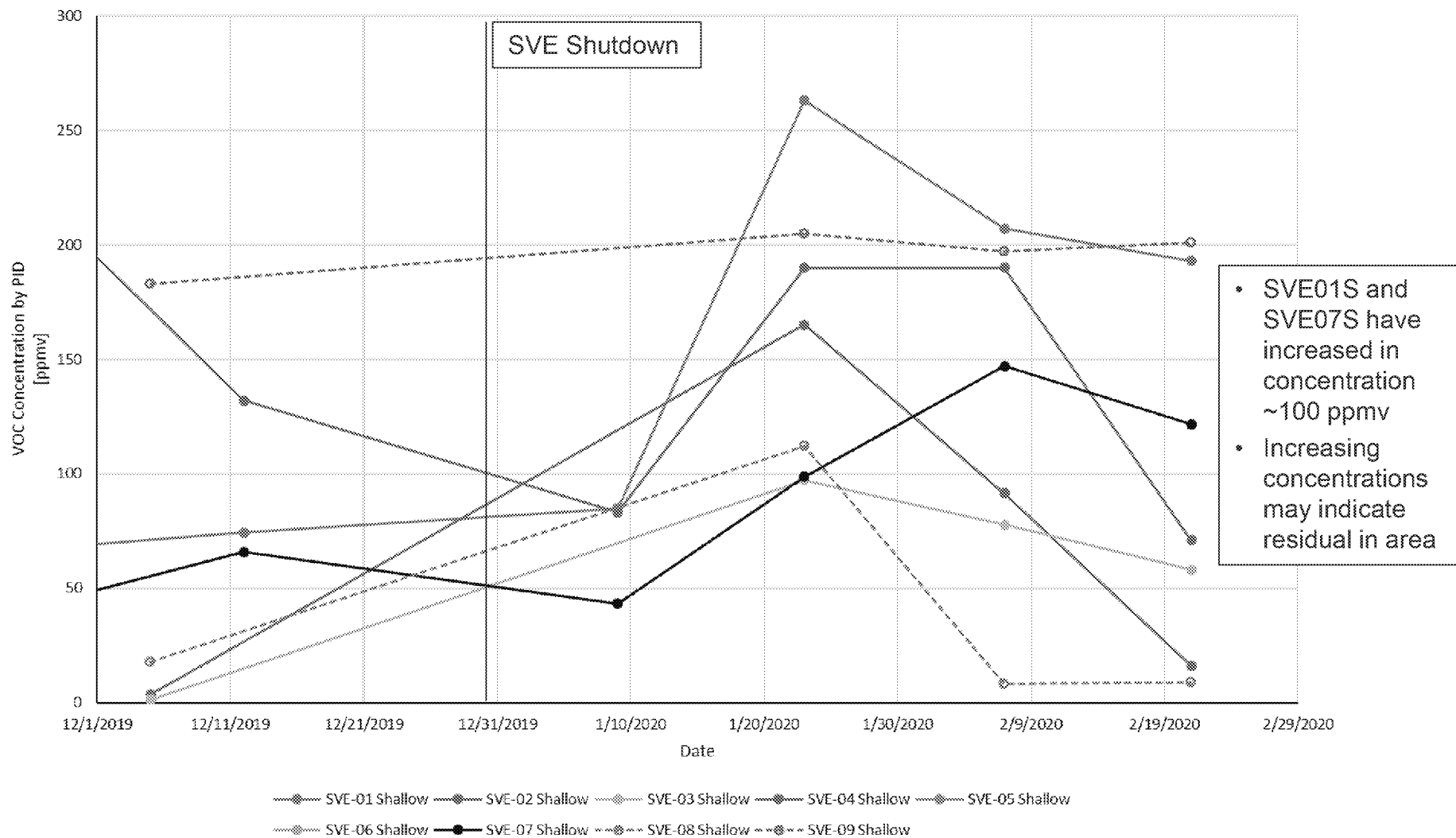




Site ST012 SVE System Rebound Study

Shallow Interval Zone

SVE Well Shallow Interval PID Readings

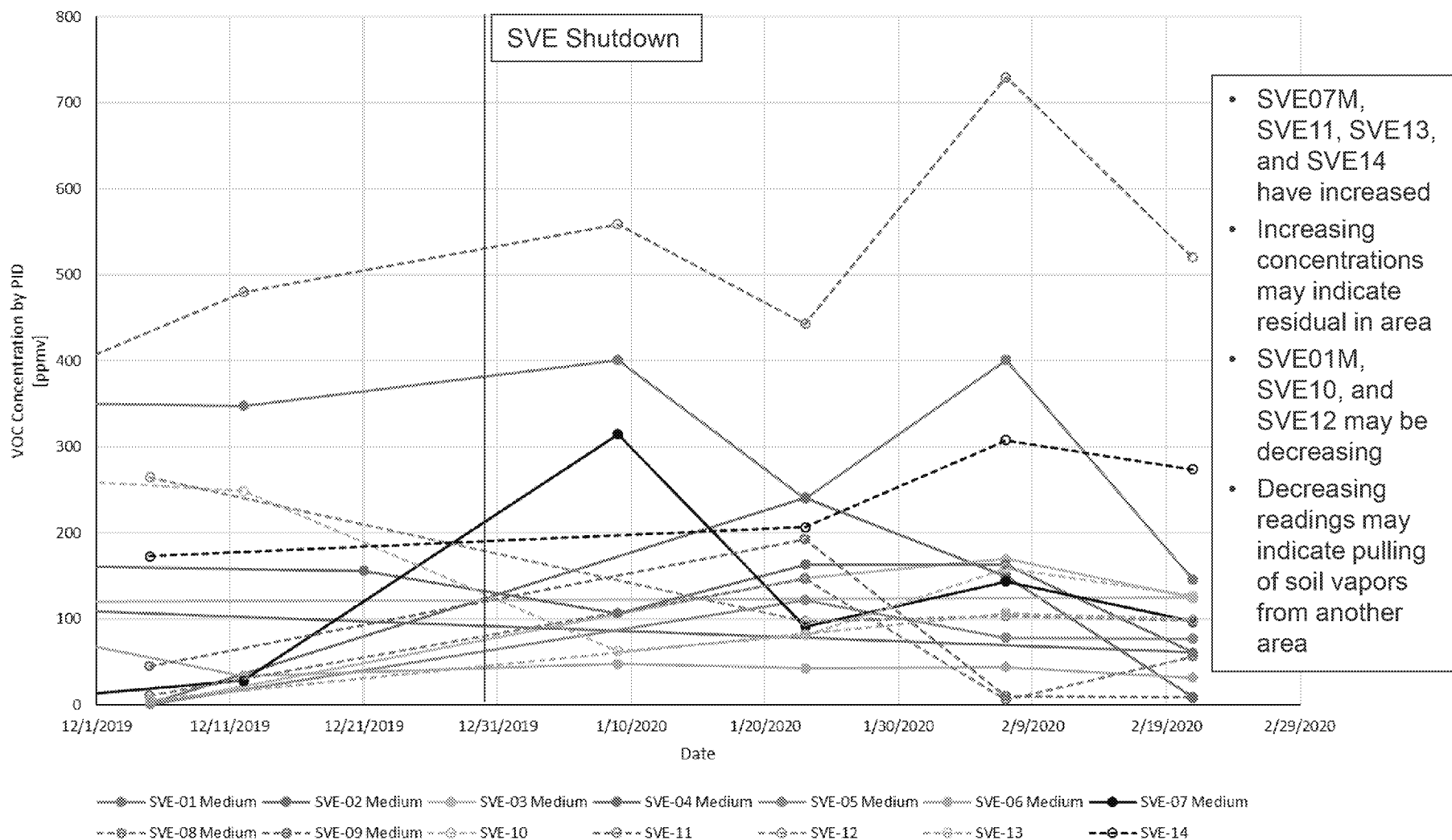




Site ST012 SVE System Rebound Study

Middle Interval Zone

SVE Well Middle Interval PID Readings

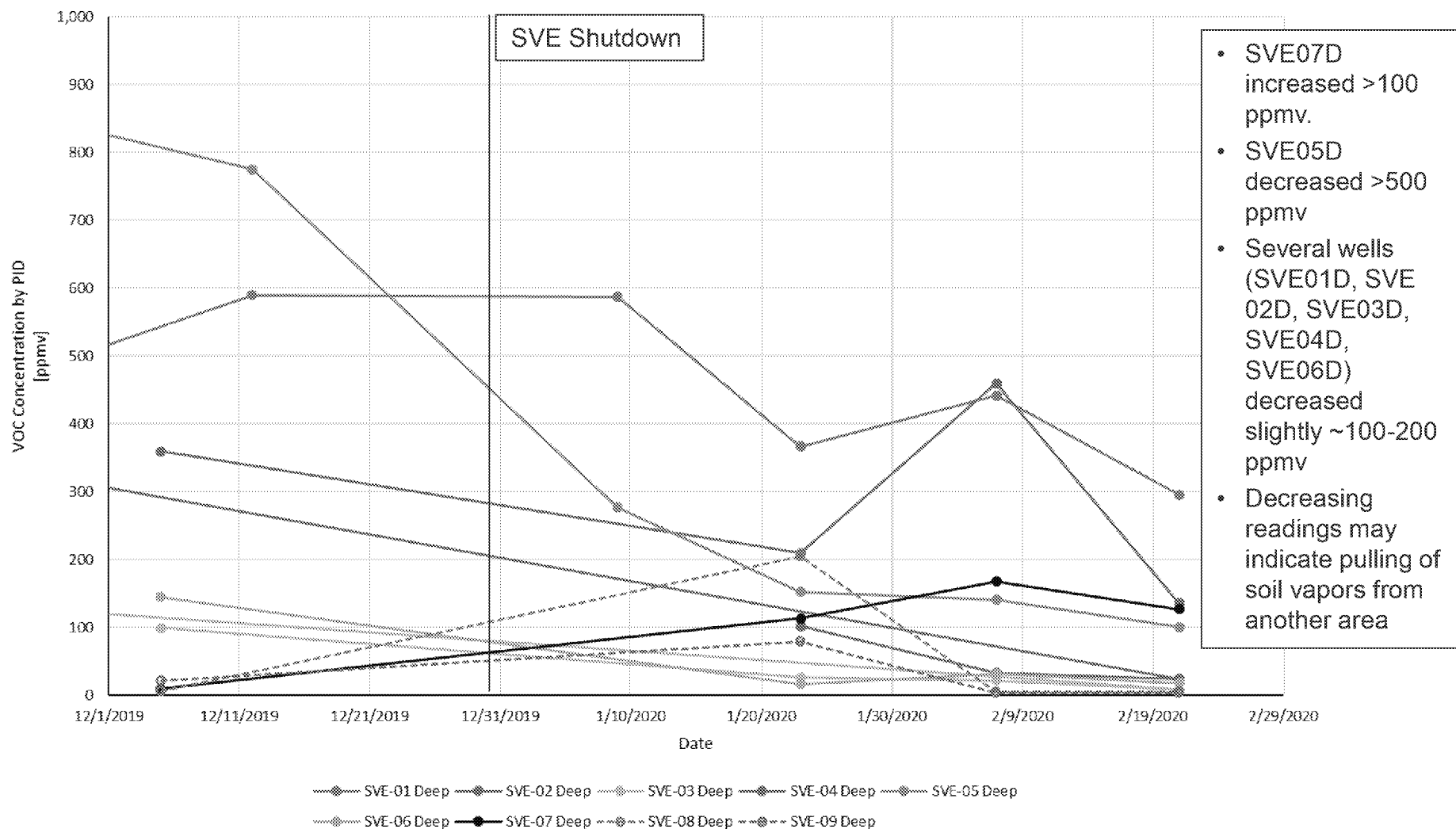




Site ST012 SVE System Rebound Study

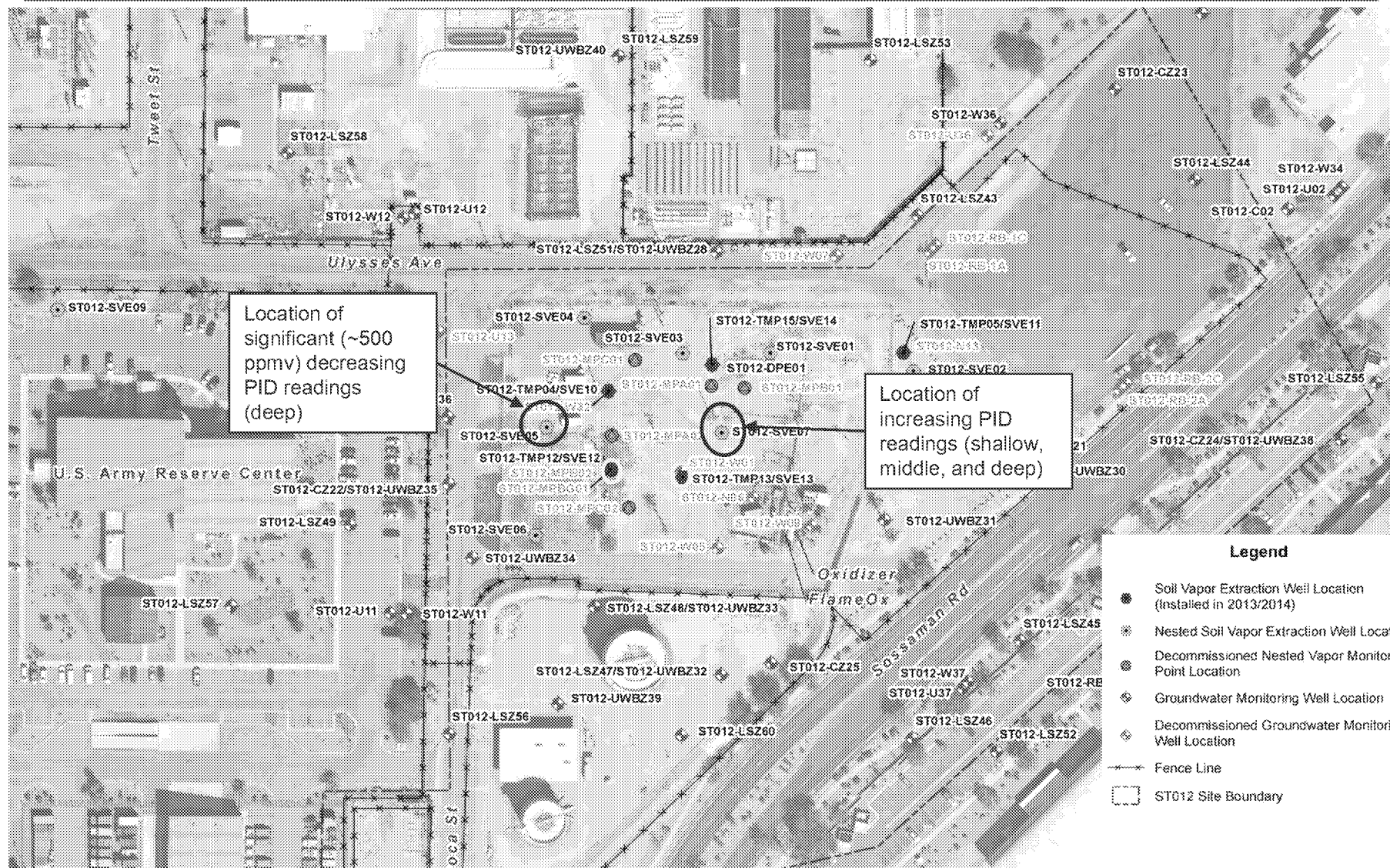
Deep Interval Zone

SVE Well Deep Interval PID Readings





SVE Rebound Study Locations



Location of significant (~500 ppmv) decreasing PID readings (deep)

Location of increasing PID readings (shallow, middle, and deep)

- Legend**
- Soil Vapor Extraction Well Location (Installed in 2013/2014)
 - ⊗ Nested Soil Vapor Extraction Well Location
 - ⊙ Decommissioned Nested Vapor Monitoring Point Location
 - ⊕ Groundwater Monitoring Well Location
 - ⊖ Decommissioned Groundwater Monitoring Well Location
 - Fence Line
 - ST012 Site Boundary

○ SVE well open to venting



SVE Rebound Study Summary

- **System shut down 27 Dec 2019 due to blower VFD issue. Wells closed. PID rebound monitoring initiated.**
- **At most locations there are no clear increasing or decreasing trends**
- **Limited rebound observed across multiple intervals in SVE07S/M/D:**
 - Increases are generally small (100-200 ppmv)
 - May indicate some residual source in proximity to these wells where removal rates are diffusion-limited
- **Decreasing concentrations observed in SVE05D**
 - May indicate this well has been pulling contamination to it from a remote location and that the immediate area around SVE05D is less contaminated than the remote location
- **Recommendations:**
 - Collecting one more round of PID screening
 - Evaluate potential changes in operating extraction/venting wells
 - Restart and collect lab samples at extraction points at startup

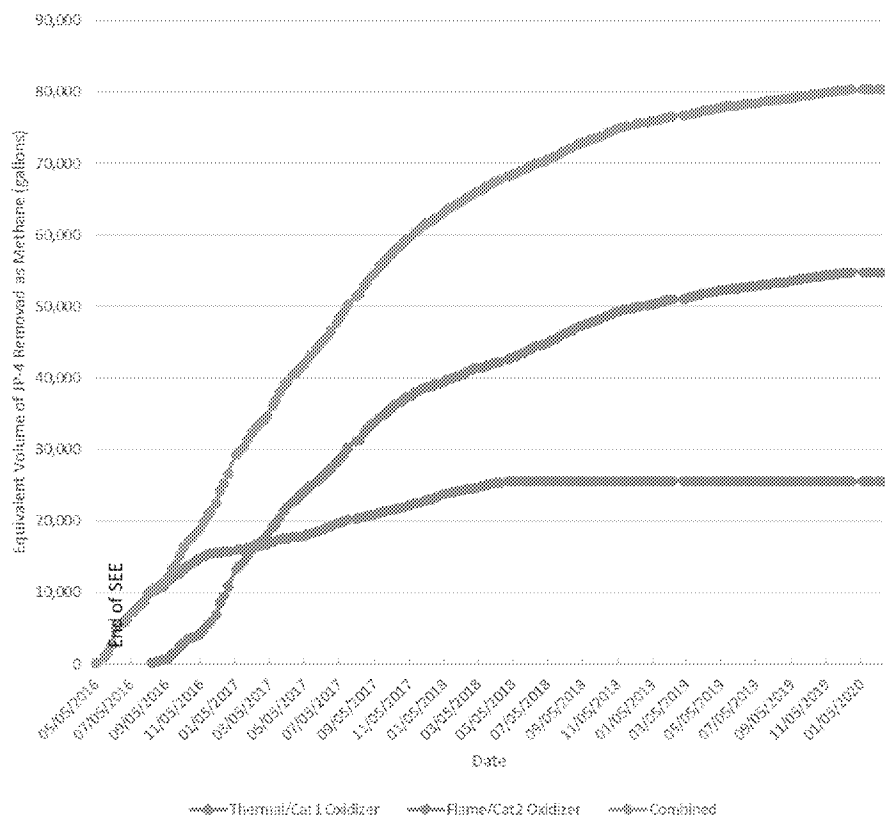


JP-4 Degradation Based on Methane Removed with SVE

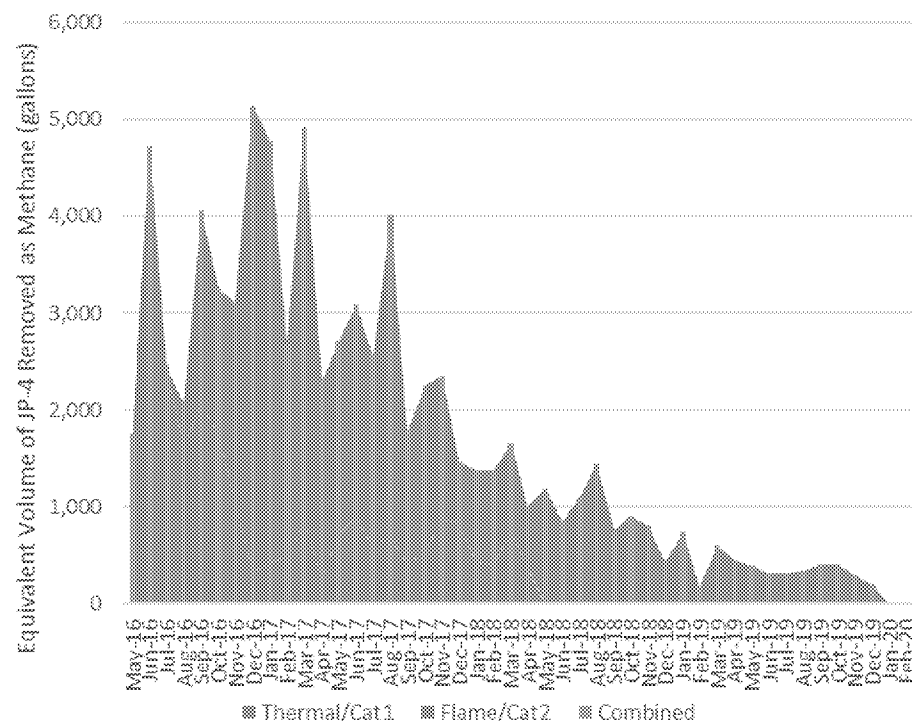


Site ST012 SVE System Equivalent JP-4 Degradation Based on Methane Removed

Equivalent JP4 Degraded based on Methane Extracted by SVE System



Equivalent JP-4 Degraded
(based on methane extracted by SVE system by month*)



*timing of JP-4 degradation may not correspond with timing of methane extraction

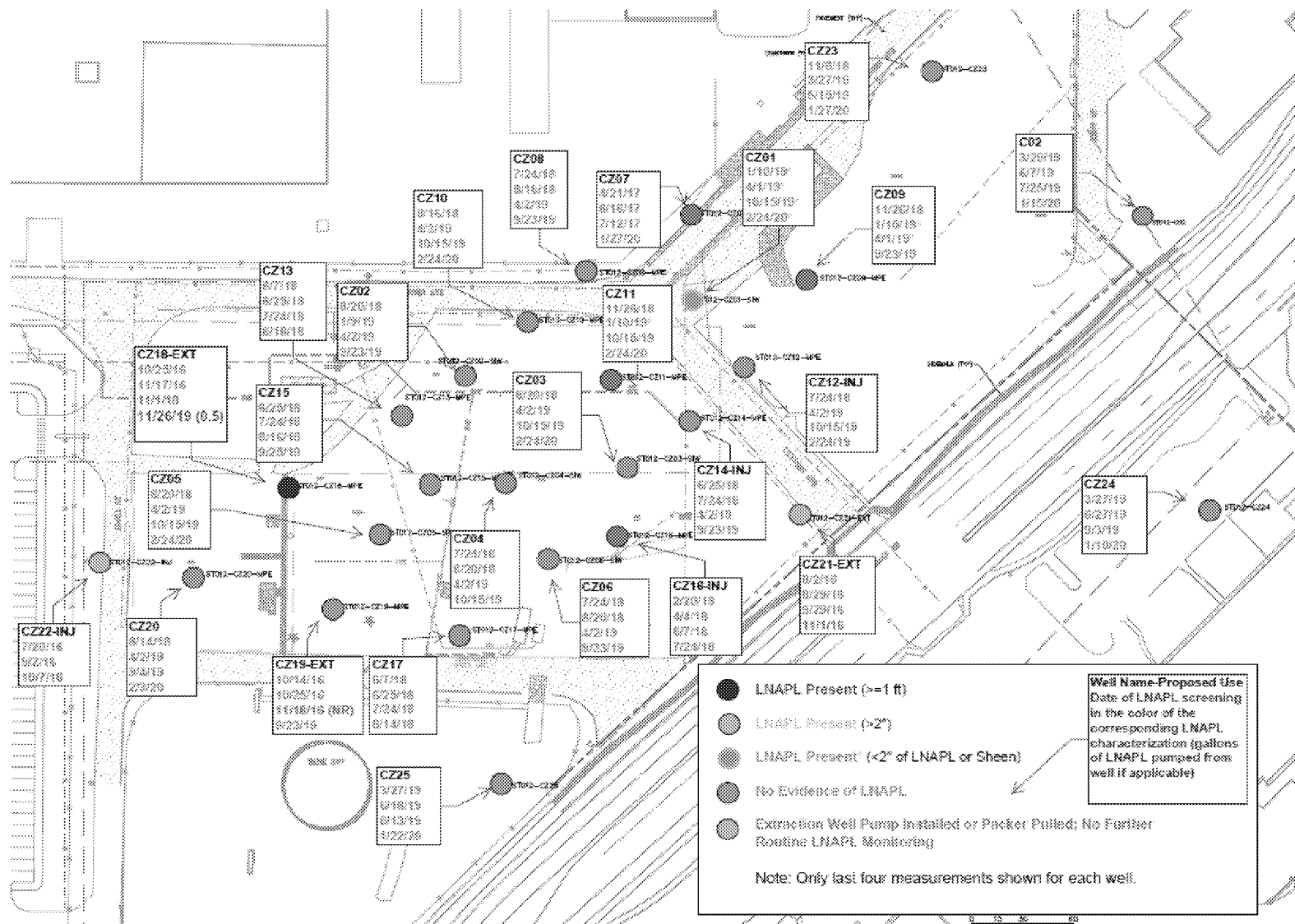
- Estimates through 13 Feb 2020
- Estimated JP-4 degradation as methane is in addition to JP-4 removal reported for SVE
- Thermal/Cat1 oxidizer changed from SVE to groundwater treatment end of Apr 2018 (low methane concentrations recently observed but attributed to vapor bleed through closed valve from SVE)
- Flame oxidizer treating combined SVE and air stripper intermittently in Nov 2018 – Jan 2019
- Flame oxidizer replaced by catalytic oxidizer (Cat2) 7 Feb to 26 Feb 2019

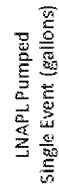


LNAPL Removal Update (through 24 Feb)



LNAPL Monitoring/Removal Status Cobble Zone



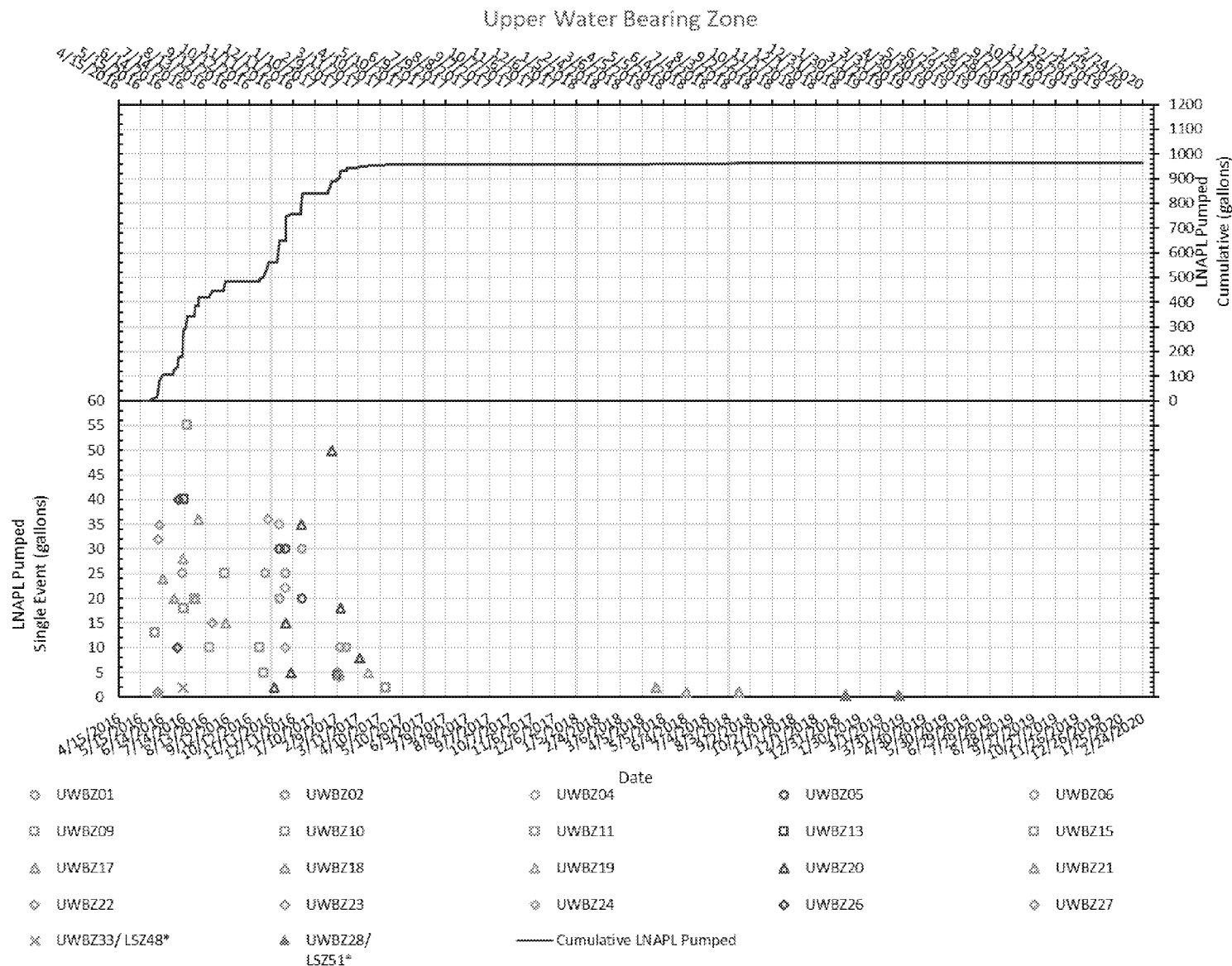






LNAPL Monitoring/Removal Status

Upper Water Bearing Zone

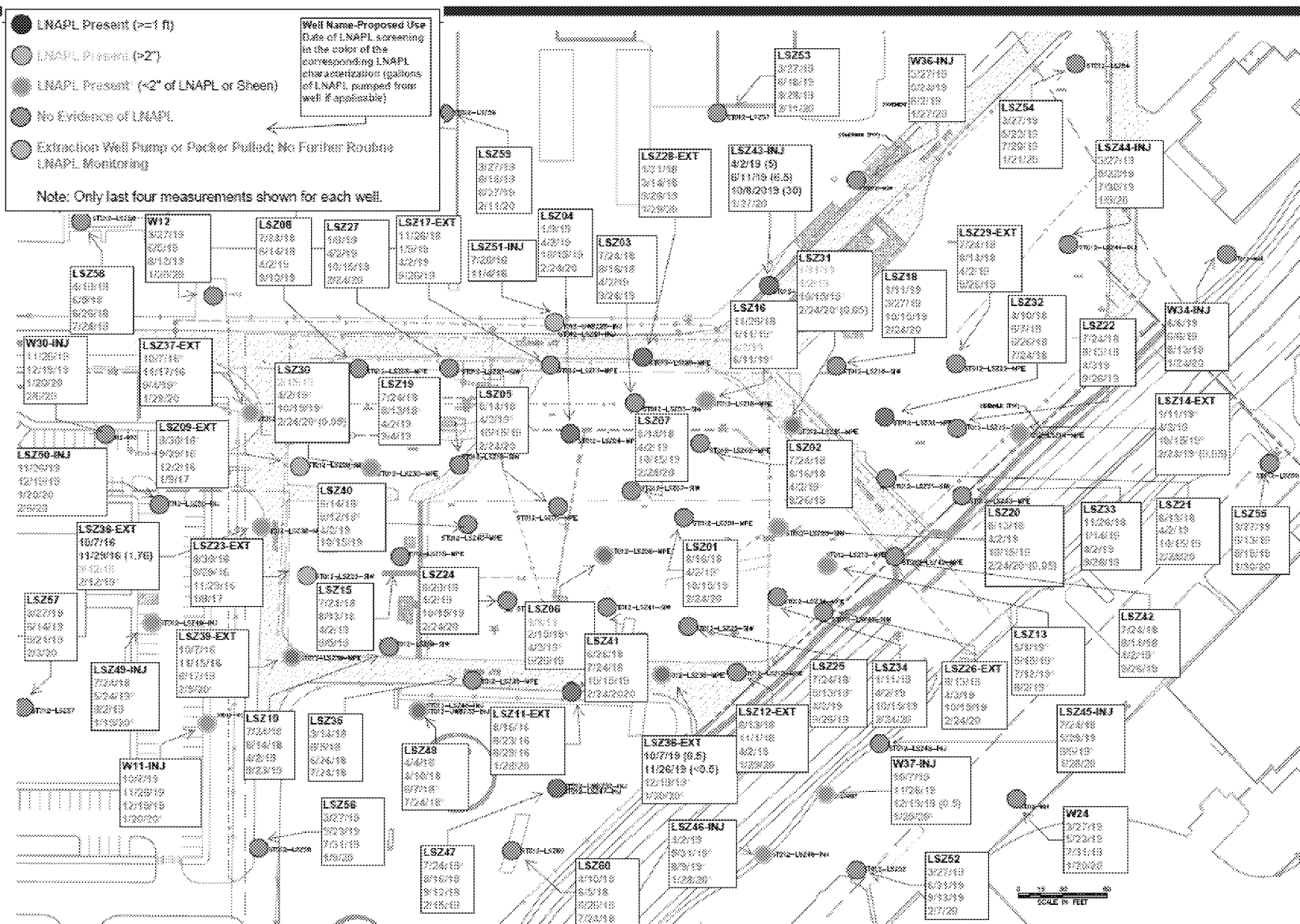


27 February 2020



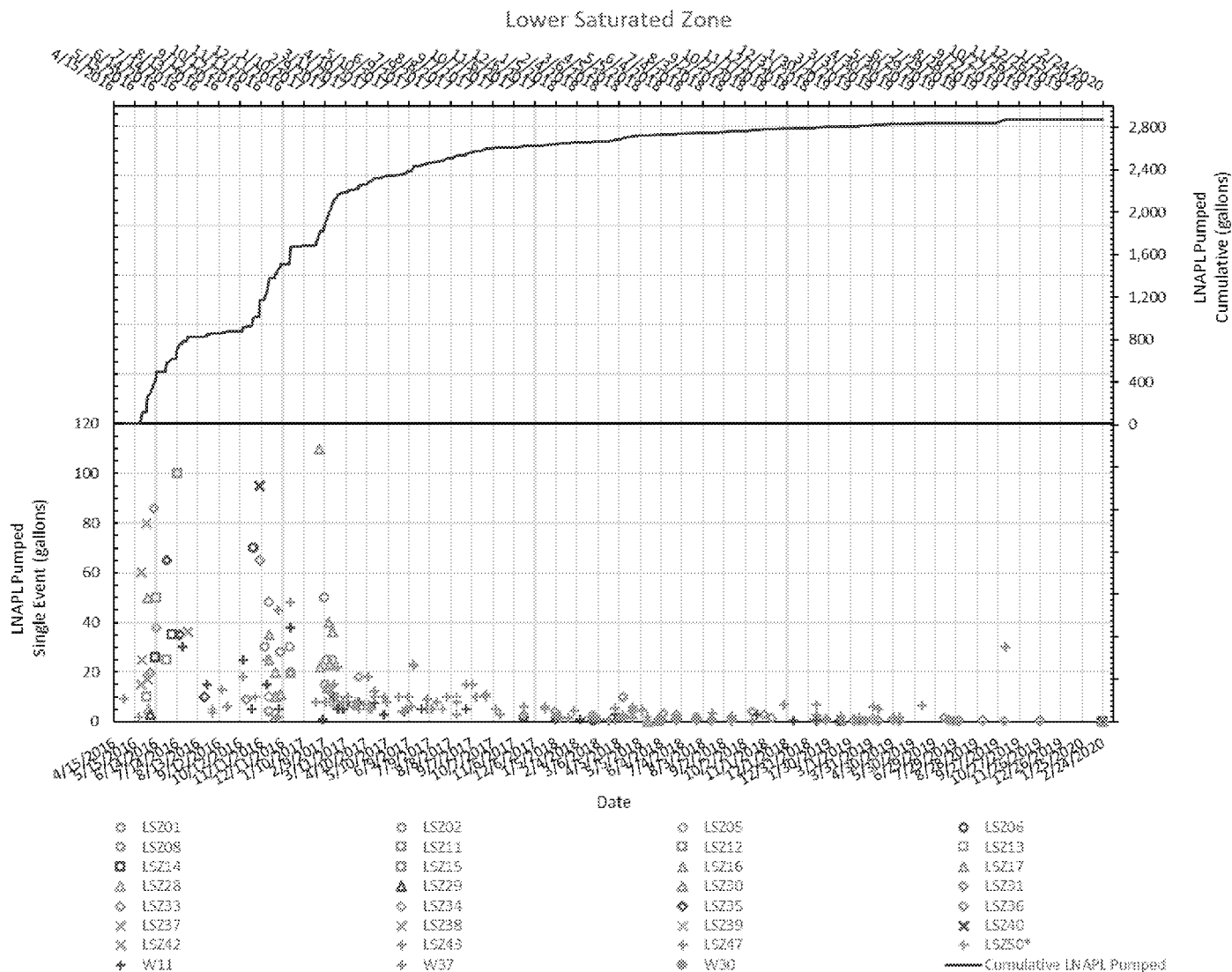
LNAPL Monitoring/Removal Status

Lower Saturated Zone





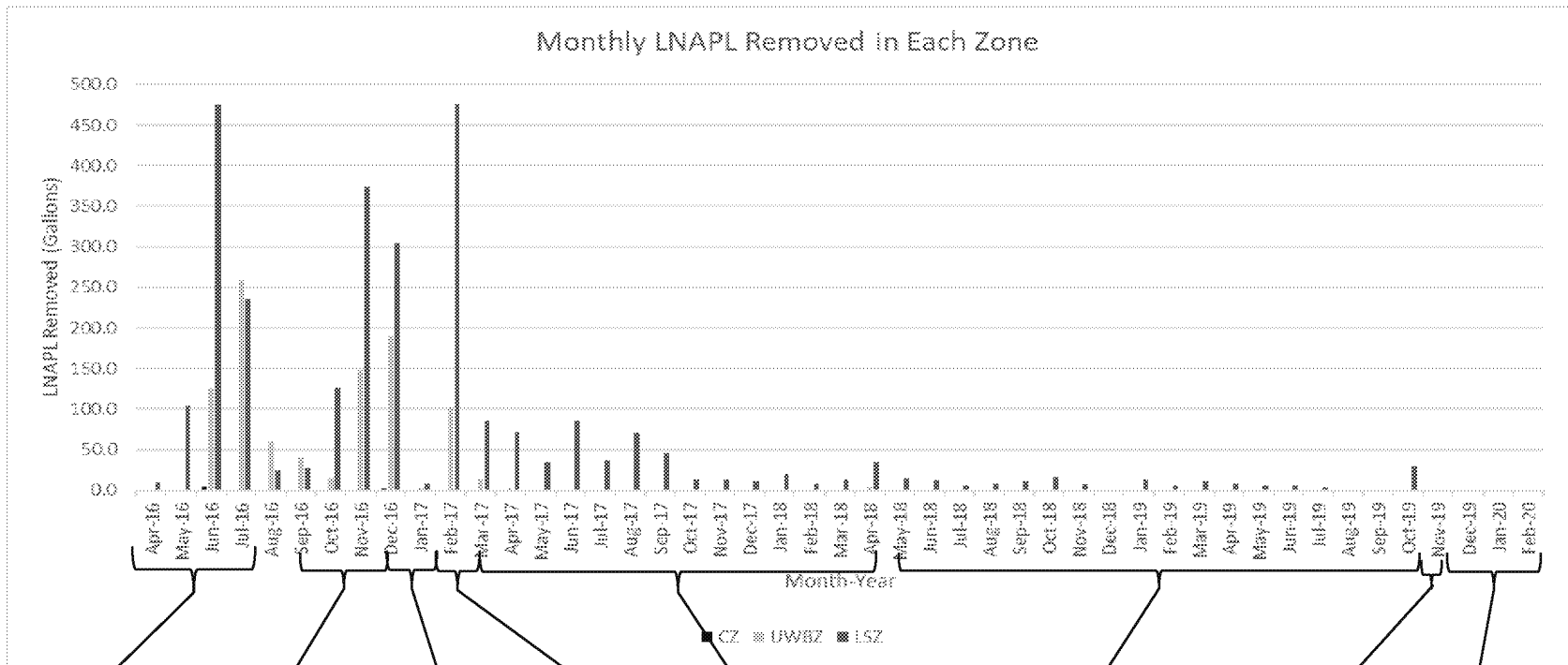
LNAPL Monitoring/Removal Lower Saturated Zone





ST012 LNAPL Removal Summary

- CZ – 7.75 gallons of LNAPL removed. 0.05 gallons removed since Nov 2019 (CZ01)
- UWBZ – 963 gallons of LNAPL removed. None since Apr 2019 update.
- LSZ – 2,874 gallons of LNAPL removed. 0.2 gallons removed since Jan 2020 (LSZ14, LSZ20, LSZ30, and LSZ31; 0.05 Gal each)



Removal following initial eductor removals

Removal following remaining eductor removals

Diminished removal due to pump failure

Recovery following pump replacement

<100 gal/mo

<20 gal/mo

30 gal from LSZ43 during pump maintenance

<1 gal/mo

27 February 2020



Preliminary First Quarter Groundwater Sampling Results

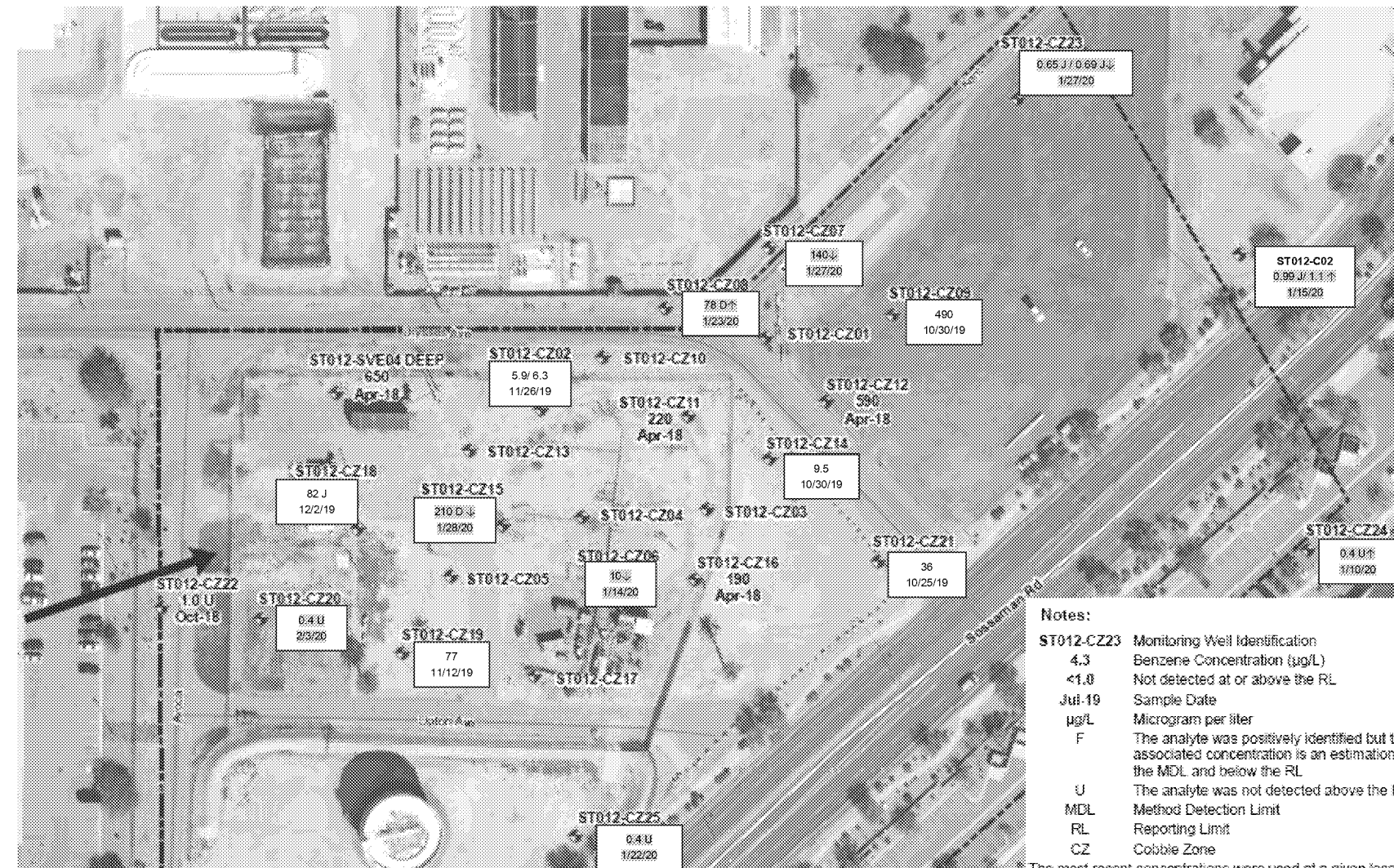


Sampling Summary

- **Sampling includes:**
 - Extraction Wells
 - Injection Wells (where injections took place)
 - Monitoring Wells (in areas where injections took place)
 - Perimeter Wells
- **General Observations**
 - Benzene at perimeter well LSZ54 not detected in 22 Jan 2020 sample
 - Benzene at perimeter well U02 < 1 µg/L in 22 Jan 2020 sample



Site ST012 Benzene ($\mu\text{g/L}$) in CZ for Q1 2020



Notes:

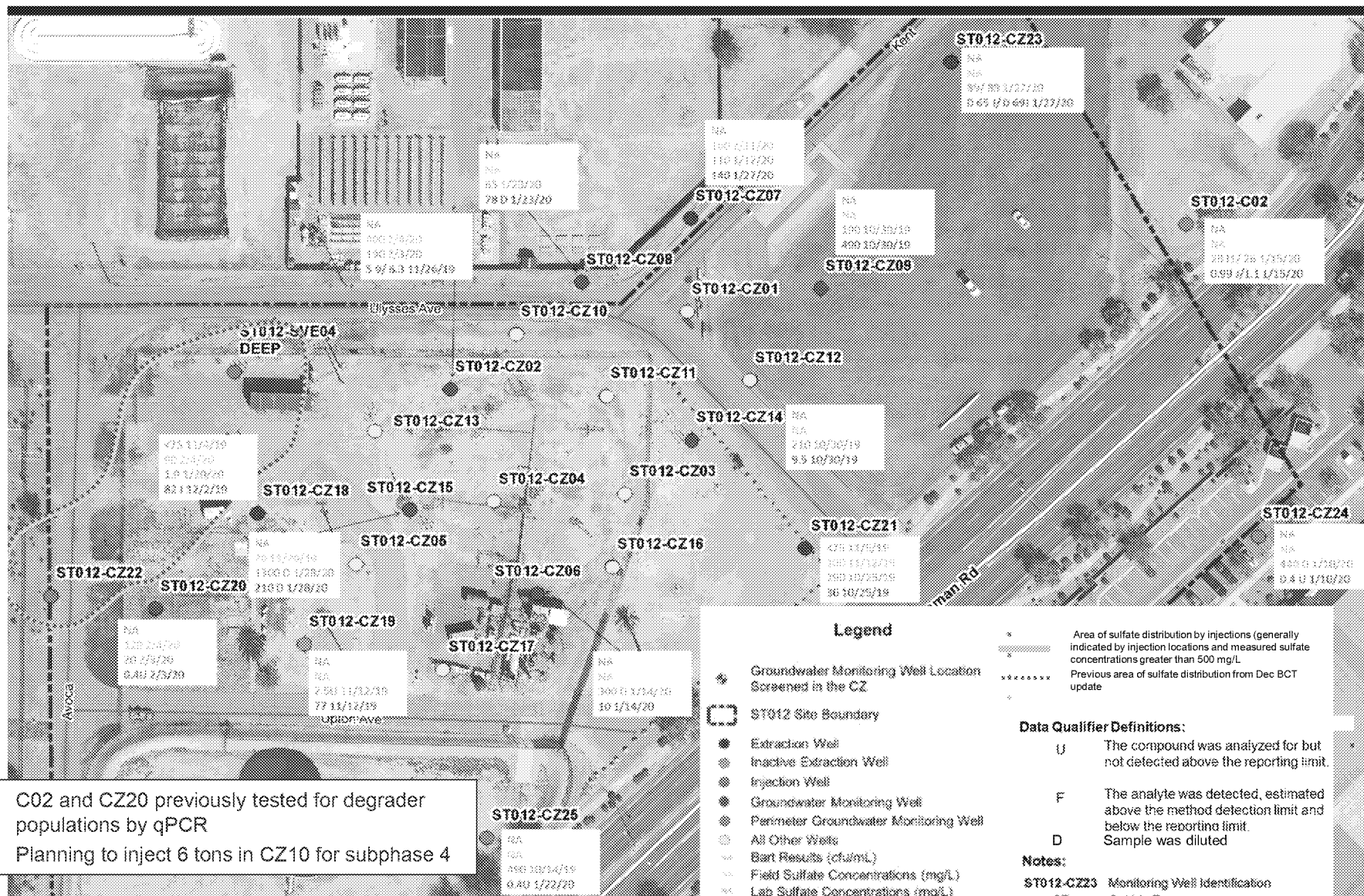
ST012-CZ23	Monitoring Well Identification
4.3	Benzene Concentration ($\mu\text{g/L}$)
<1.0	Not detected at or above the RL
Jul-19	Sample Date
$\mu\text{g/L}$	Microgram per liter
F	The analyte was positively identified but the associated concentration is an estimation above the MDL and below the RL
U	The analyte was not detected above the RL
MDL	Method Detection Limit
RL	Reporting Limit
CZ	Cobble Zone

The most recent concentrations were used at a given location through the end of the reporting period.

Updated since Jan BCT update (arrow indicates direction of change from previous result)
D Sample was diluted



EBR Treatment Area in CZ for Q1 2020



- C02 and CZ20 previously tested for degrader populations by qPCR
- Planning to inject 6 tons in CZ10 for subphase 4

27 February 2020

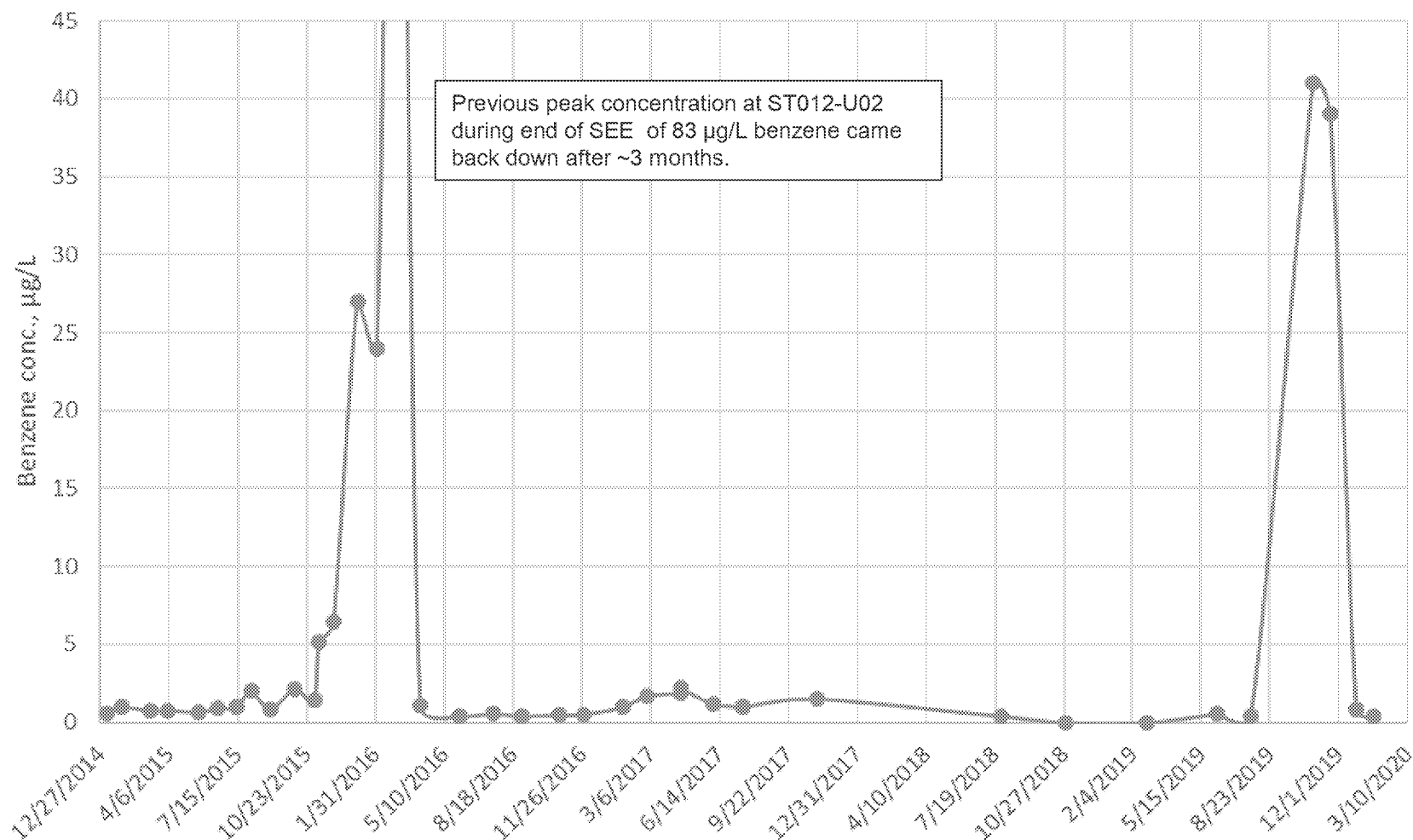
29

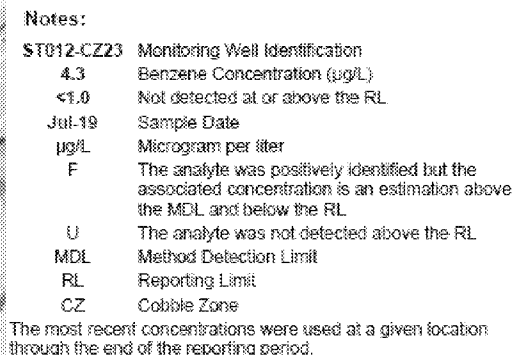
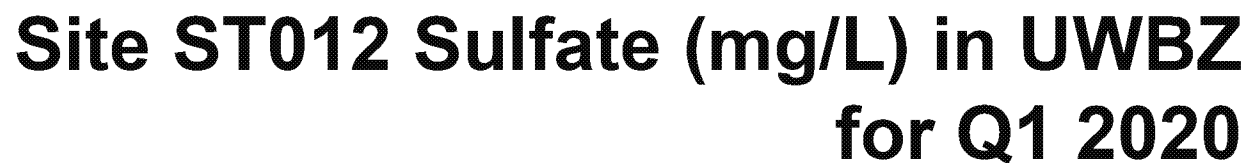
ED_005025_00021802-00029



Site ST012 U02 Historical Benzene Concentration

U02 Historical Benzene Concentrations

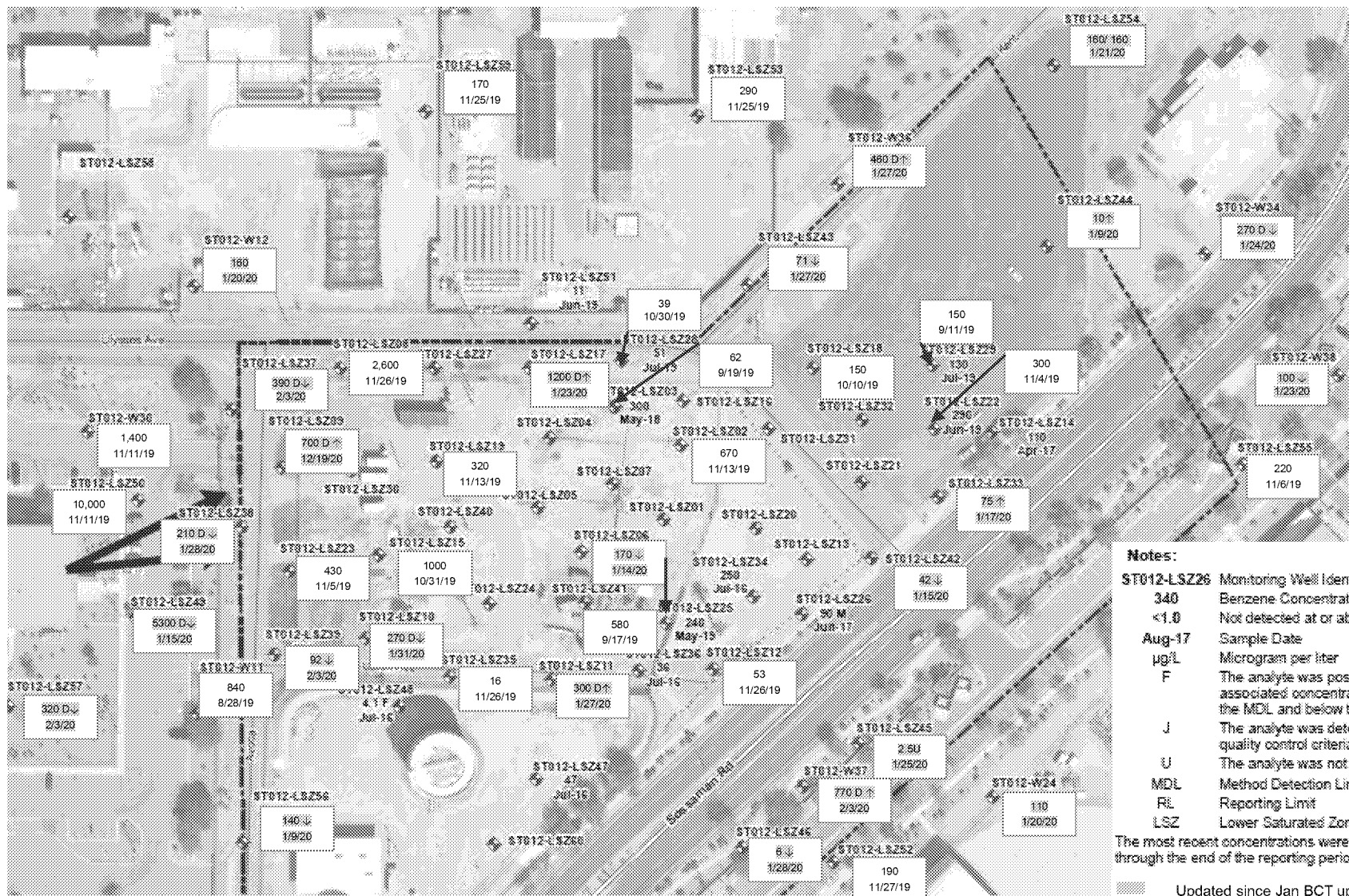




D Sample was diluted



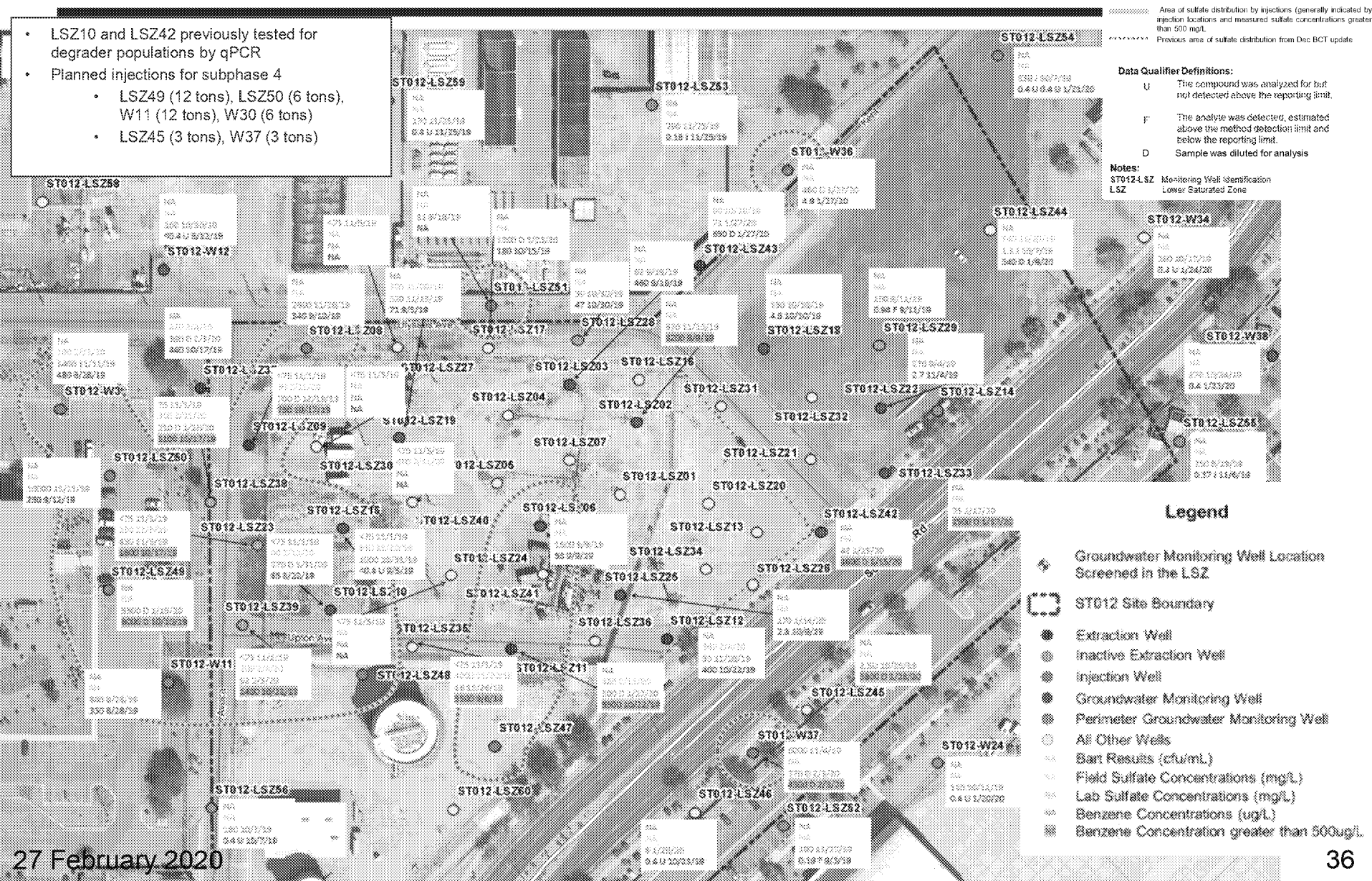
Site ST012 Sulfate (mg/L) in LSZ for Q1 2020





EBR Treatment Areas in LSZ for Q1 2020

- LSZ10 and LSZ42 previously tested for degrader populations by qPCR
- Planned injections for subphase 4
 - LSZ49 (12 tons), LSZ50 (6 tons), W11 (12 tons), W30 (6 tons)
 - LSZ45 (3 tons), W37 (3 tons)



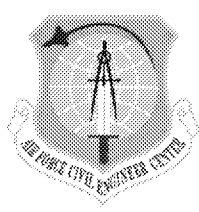


Site ST012 Biological Testing

- **Decision reached during Jan BCT call to complete stable isotope probe (SIP) tests in wells UWBZ26, UWBZ27, LSZ38, and LSZ39**
- **Wells were prepared for BioTrap[®] deployment by removing extractions pumps**
- **Performed sulfate screening analysis in late Jan**
 - UWBZ27 – 18 mg/L
 - LSZ38 – 210 mg/L
 - LSZ39 – 130 mg/L
- **Implemented a lower concentration injection in the four wells to recharge sulfate concentrations prior to BioTrap[®] deployment.**
 - Injection concentration was 10 g/L
 - Target was 1 ton in each well
 - UWBZ27 and LSZ38 accepted injection solutions very slowly (possible sign of biofouling), UWBZ26 and LSZ39 accepted injection solutions at a reasonable rate
- **BioTraps[®] deployed on 24 Feb 2020 (2 in each well)**
 - UWBZ26 and UWBZ27 – 180 ft below top of casing
 - LSZ38 and LSZ39 - 225 ft below top of casing
- **Plan to retrieve in five and eight weeks**



Pilot Study Injection/Extraction Update



Site ST012 Extraction System Performance

Extraction Well	Calculated Average Extraction Rate in Period gpm	Maximum Temperature Since May 2018 °F	Most Recent Temperature °F	Cumulative Extraction Since May 2018 gallons	Note
ST012-CZ07	6.2	175	141	4,923,427	
ST012-CZ18	Off	136	126	3,019,867	Extraction stopped due to sulfate presence (Oct 2019)
ST012-CZ19	NA		103		Eliminated as an extraction well by FVM#7
ST012-CZ21	0.0	150	115	452,498	Totalizer reading suspect. Pump shut down due to low concentrations.
ST012-CZ23	2.0	114	103	689,083	
CZ Subtotal				9,084,876	
ST012-UWBZ21	15.8	170	164	610,298	Submersible installed but only runs for a few minutes/day (high temp)
ST012-UWBZ22	0.00	146	131	476,303	Pneumatic plugged, runs intermittently
ST012-UWBZ25	6.8	168	164	321,610	
ST012-UWBZ26	Off	133	114	2,408,709	Extraction stopped due to sulfate presence (Sep 2019)
ST012-UWBZ27	Off	128	94	130,011	Extraction stopped due to sulfate presence (May 2019)
ST012-UWBZ30	12.5	172	161	1,903,328	Submersible installed
UWBZ Subtotal*				7,118,692	
ST012-LSZ09	Off	140	130	2,748,461	Extraction stopped due to sulfate presence (Oct 2019)
ST012-LSZ11	6.5	139	99	3,469,018	
ST012-LSZ12	6.7	130	100	2,478,065	
ST012-LSZ23	Off	113	94	3,638,934	Extraction stopped due to sulfate presence (Aug 2019)
ST012-LSZ28	NA	162	152	20,529	Intermittent pumping for warm makeup water.
ST012-LSZ29	NA	>170		17	Eliminated as an extraction well by FVM#7
ST012-LSZ37	10.7	132	90	6,274,757	Ran for three weeks and then shut down again.
ST012-LSZ38	Off	160	90	941,898	Extraction stopped due to sulfate presence (Aug 2019)
ST012-LSZ39	Off	92	78	1,250,933	Extraction stopped due to sulfate presence (May 2019)
ST012-LSZ43	4.9	140	136	940,398	
ST012-UWBZ28/LSZ51	NA	146	128	2,536,868	Extraction stopped (Aug 2019), changed to injection end of subphase 2
W36	NA	80	80	155,733	Only used for make up water for sulfate mixing
LSZ Subtotal*				23,031,445	
Total of Wells	72.1			39,235,012	
Treatment System	55.4			31,906,570	

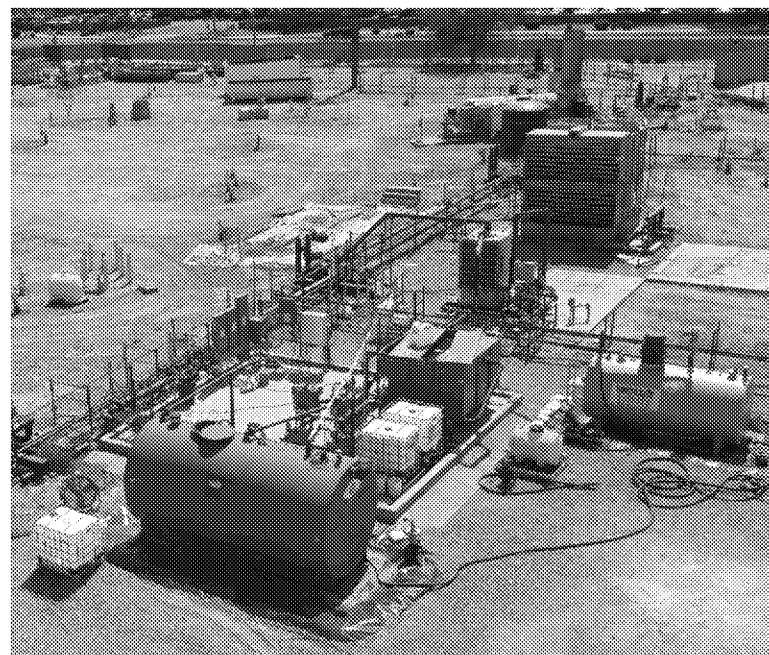
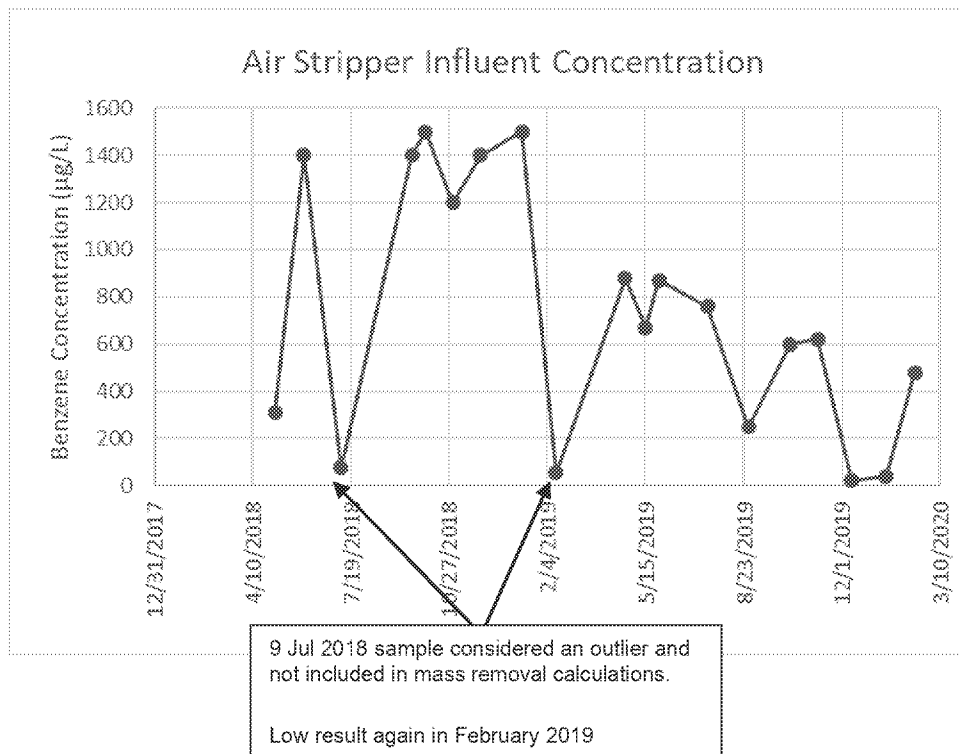
Data is preliminary

* Includes 1/2 of ST012-UWBZ28/LSZ51



Site ST012 Extraction System Performance

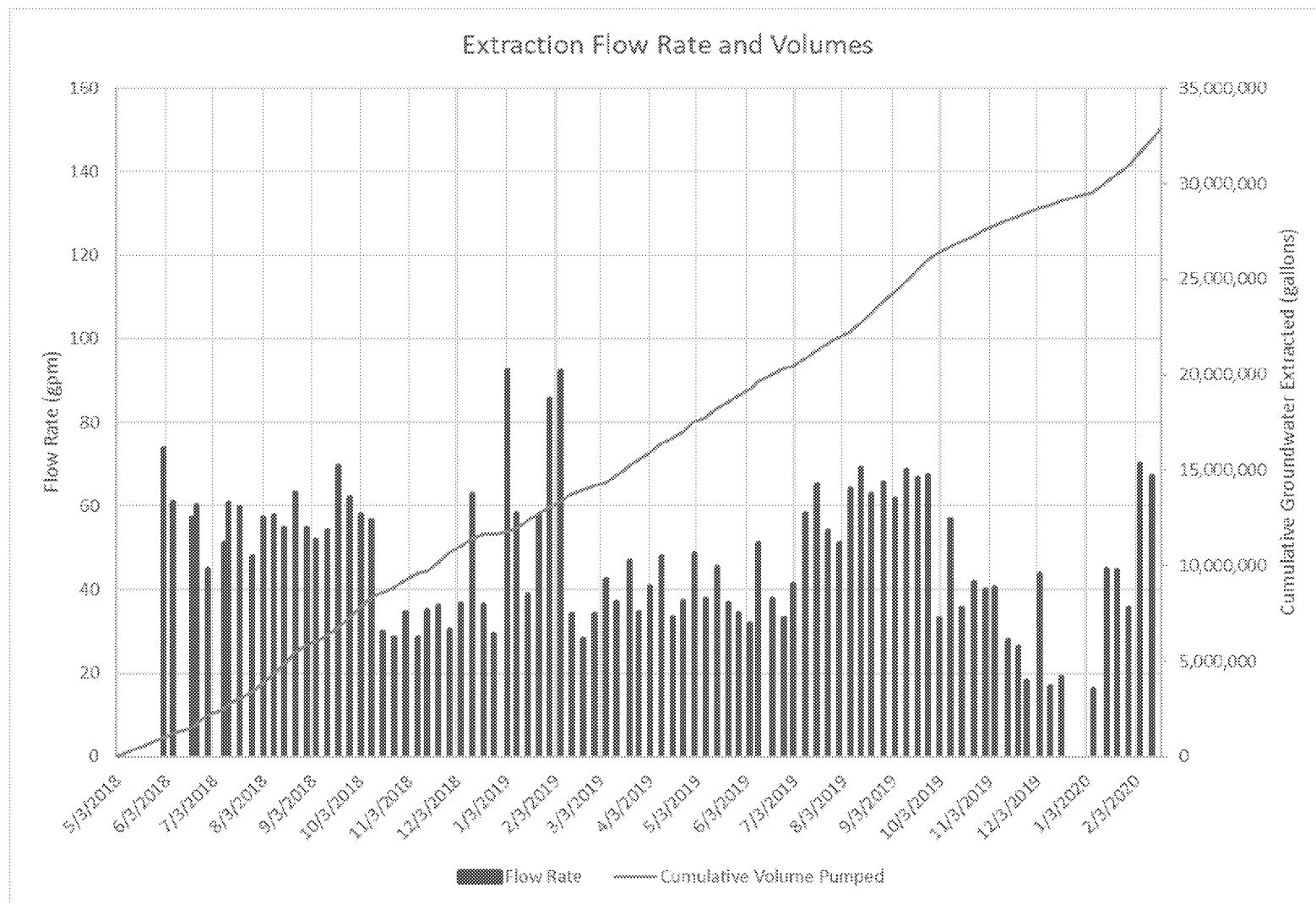
- No LNAPL has been recovered since extraction started up
- Extraction pumps UWBZ21 and UWBZ22 pumping intermittently
- CZ18, UWBZ26, UWBZ27, LSZ09, LSZ23, LSZ37, LSZ38, and LSZ39 turned off due to sulfate presence and SIP testing
- Benzene air stripper influent at 480 µg/L for February sample





Site ST012 Extraction System Performance

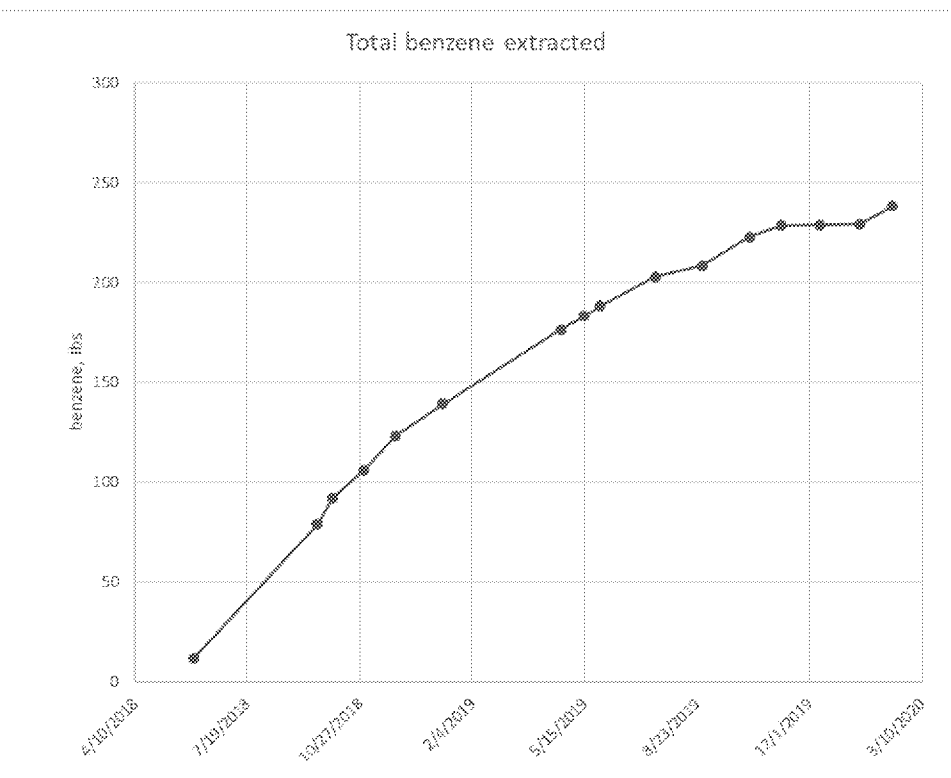
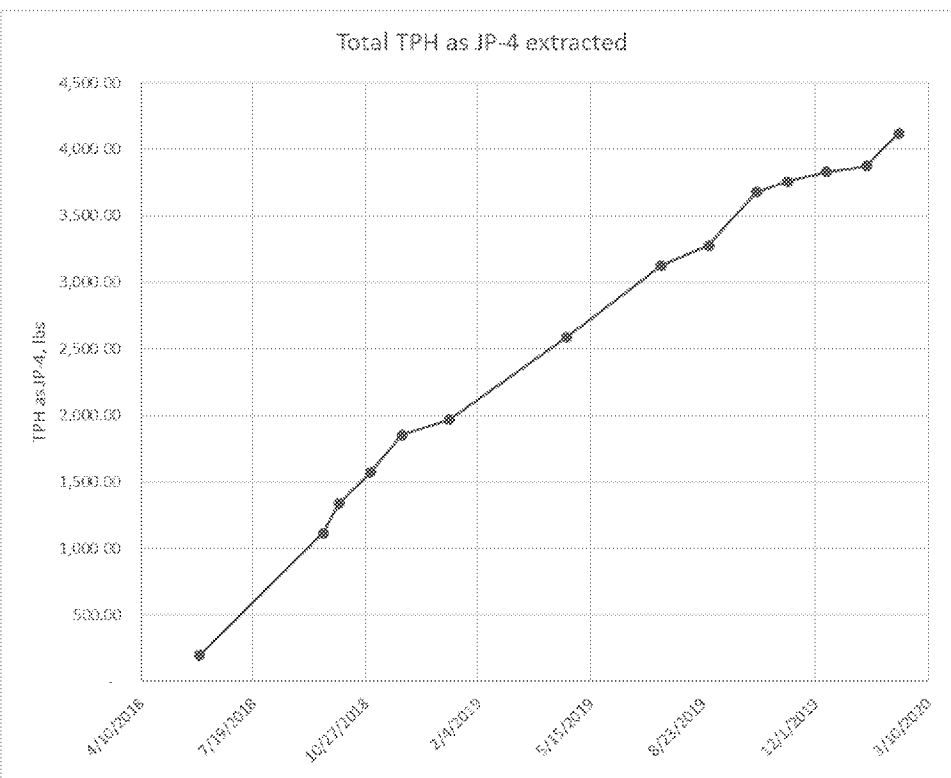
- Overall Extraction Rates and Cumulative Volume Extracted





Site ST012 Extraction System Performance

- Estimated Mass Removal by Extraction





Site ST012 Injection Progress

- Subphase 4 injections continued in January
- ~500 tons injected through 18 Feb 2020
- 43 tons injected since last update

Date	Volume (gallons)	Number of Bags of Sulfate Added	Calculated Na ₂ SO ₄ Conc. g/L	Calculated SO ₄ Conc. g/L	Locations(% of volume if multiple locations)
12/20/2019	---	0	113	76	LSZ48 (0.2) and W30 (0.5)
1/10/2020	4,000	2	113	76	UWBZ23 (0.1), UWBZ34 (0.7) and UWBZ36 (1.0)
1/13/2020	6,000	3	113	76	UWBZ23 (0.2 tons), UWBZ34 (0.4 tons), UWBZ36 (1.3 tons) and UWBZ35 (0.9 tons)
1/14/2020	6,000	3	113	76	UWBZ23 (0.2), UWBZ34 (1.2), UWBZ35 (0.9) and UWBZ36 (0.1)
1/16/2020	6,000	3	113	76	UWBZ23 (0.2 tons), UWBZ34 (1.1 tons), UWBZ35 (0.4 tons) and UWBZ36 (0.6 tons)
1/17/2020	6,000	3	113	76	UWBZ23 (0.5 tons), UWBZ34 (0.6 tons), UWBZ35 (0.6 tons) and UWBZ36 (1.0 tons)
1/20/2020	6,000	3	113	76	UWBZ23 (0.3 tons), UWBZ35 (0.5 tons) and UWBZ36 (1.7 tons)
1/21/2020	6,000	3	113	76	UWBZ23 (0.9), UWBZ35 (0.4) and UWBZ36 (1.5)
1/22/2020	6,000	3	113	76	UWBZ23 (0.1 tons), UWBZ35 (2.0 tons) and UWBZ36 (0.2 tons)
1/23/2020	6,000	3	113	76	UWBZ23 (0.8) and UWBZ35 (1.8)
1/24/2020	8,000	4	113	76	UWBZ23 (1.3 tons), UWBZ35 (2.0 tons) and UWBZ36 (0.9 tons)
1/27/2020	8,000	4	113	76	UWBZ23 (1.3 tons) and UWBZ35 (2.8 tons)
1/28/2020	8,000	4	113	76	UWBZ23 (1.1 tons) and UWBZ35 (2.7 tons)
1/29/2020	4,000	2	113	76	UWBZ23 (0.7 tons) and UWBZ35 (1.2 tons)
2/10/2020	16,000	1	14.9	10	UWBZ26 (0.37 tons), UWBZ27 (0.02 tons), LSZ38 (0.26 tons) and LSZ39 (0.24 tons)
2/11/2020	16,000	1	14.9	10	UWBZ26 (0.25 tons), UWBZ27 (0.19 tons), LSZ38 (0.17 tons), and LSZ39 (0.28 tons)
2/12/2020	16,000	1	14.9	10	UWBZ26 (0.15 tons), UWBZ27 (0.08 tons), LSZ38 (0.09 tons) and LSZ39 (0.24 tons)
2/13/2020	8,000	1	14.9	10	UWBZ26 (0.28 tons), UWBZ27 (0.02 tons), LSZ38 (0.05 tons), and LSZ39 (0.3 tons)
2/14/2020	0	0	14.9	10	UWBZ27 (0.42 tons) LSZ38 (0.02 tons)
2/17/2020	0	0	14.9	10	UWBZ27 (0.06 tons) LSZ38 (0.05 tons)
2/18/2020	8,000	4	113	76	UWBZ23 (3.6 tons)

Injectons on days when volume mixed was zero used injection solution stored in frac tank.



Site ST012 Sulfate Field Screening

Date	C202	C209	C205	C210	C213	C216	C218	C207	C220	C221	Sulfate Concentration (mg/L)																		W30									
											UWR215	UWR217	UWBZ23	UWR222	UWBZ24	UWBZ26	UWR227	UWBZ28/LSZ51	LSZ09	LSZ10	LSZ11	LSZ12	LSZ15	LSZ19	LSZ23	LSZ35	LSZ37	LSZ38		LSZ39	LSZ40	LSZ43	LSZ44	LSZ47				
5/1/2019																	1110	12											77		1180				630			
5/8/2019										26							720														1440							
5/13/2019	1							11	0		4		7		1	17		1	10	20	90	4	21					59		12								
5/15/2019																	1190					160																
5/22/2019																	1450	0											170									
5/29/2019	10							60	0	230	10		30		10	270	2000	20	110	2000	1010	90	30						610	0	200	130	1430					
6/5/2019								80		280	180			0		160	1240		180	320	930	100							630	0	290	100			0			
6/11/2019	0								0	230			30		0	280		0	120	320	830		0						740		410	150	1410					
6/18/2019								110		250	10			20		280	1080		120	570	1020	250							670	10	400	240						
6/25/2019	100								80	240			610		0	370		0	110	450	860		10						630		200	90	720					
7/2/2019								140		180	50			270		650	1270		150	470	920	230							540	40	370	130			0			
7/9/2019	100								510				540		0	640		10	150	450	870		200						750		420	350	1220					
7/16/2019								10		250	0			0		640	290		100	220	820	280							630	10	430	430			0			
7/23/2019	90							1000		430	210			480		0	630		10	270	200	790		200					590		390	410	1150					
7/30/2019								10		230	60			0		630	900		240	310	740	170							600	40	400	400			0			
8/6/2019	90							480		450	270			500		0	800		off	250	660	780		200				760		290	530	1200						
8/13/2019								0		200	40			0		580	1000		110	300	700	200							780		300	560			0			
8/20/2019	70							600		450	240			470		0	540		off	100	650	800		190				740		250	610							
8/27/2019								off		230	10			10			1370	900		130	560	720	340						698		290	750			0			
9/3/2019	0							280		0	210			60		0	710		off	110	560	670		210					870		200	1000						
9/10/2019										200	13			60			810	580		110	590	630	300						650		210	980			0			
9/17/2019	10							1030		0	250			1800		0	470		off	100	510	590		280					680		360	970						
9/24/2019								100		240	12			10			880	540		100	660	590	510						700		350	870			0			
10/1/2019	0							760		0	220			1700		0	880		90	670	600		300						720		300	750			20			
10/8/2019								40		260	30			0		820	600		80	710	570	400							720		340	1500			0			
10/15/2019	0							720		0	5000			1400		0	800		off	100	100	560		300					720		300	400	4000					
10/22/2019	80	70	60	70	60	50	50	60	90	70	80			90		70	130		90	90	120	100		100	120	80			80	140			90	70	0	100		
10/29/2019	90	80	80	100	100	110	80	70	80	100	120			90	80	0	100	100	off	100	70	80	90	70	90	70	100	80	90	100	80	90	80	0	100			
11/5/2019	90							100		60	70			100		0	110		off	70	90	90		70					90		230	60	80	60				
11/12/2019								80		100	110			130			100	90		80	90	100							90		150	70		70		0	100	
11/20/2019	120	140	20	240	0	210	650	3000	380	OFF	100		20	0	700	600	480	OFF	OFF	790	470	120	2000	630	300	720	4000	400	2000	900	230	OFF	540	0	300			
11/26/2019	140						30		10	OFF			OFF		450	500		OFF	OFF	650	350		600						530	460		90			100			
12/3/2019								100		off	130			10			350		off	off	320	370	360						130		60	1060		200		0		
12/10/2019	120						140		110	off			40		100	off		off	off	700	350		470						off		100	800	460	570				
12/17/2019								100	140	off	140			40		100	off	300		off	310	370							off		120	750		550		0	130	
1/8/2020	130						145		140	off		140	50		100	off		off	off	300	410	200		350					off		100	770	450	520			160	
1/14/2020								130		off	20					off	40		off	80	330	370							off		20	450		124			400	
1/21/2020	340							20		80	off		180	100		80	off		off	off	30	340		460					z	70	320	230	680					
1/27/2020								120		off	50			100		off	40		260	4000	310	3530							off			210		660			500	200
2/4/2020	400						90		120	off		210	140		80	off		off		400	300		360						off		420	370	200	150				
2/11/2020								100		Off	70			60		injecting	50			400	30	40	420	0					off			300		680			0	180



Screening location is an extraction location



Screening location is a monitoring well

CZ18, CZ21, UWBZ26, UWBZ27, UWBZ28/LSZ51, LSZ09, LSZ23, LSZ37, LSZ38 and LSZ39 extraction shut down.

Suspect field screening results in October and November not included

Sulfate concentrations in several wells decreasing



Site ST012 Path Forward Mar-Apr 2020

- **Collect one more round of PID screening as part of SVE rebound study then restart and sample select wells at restart.**
- **Continue pump repairs**
- **Pilot Study Implementation**
 - Return benzene sampling at U02 and LSZ54 to a quarterly basis.
 - Complete subphase 4 injections.
 - After five and eight weeks collect one set of BioTraps® at each well for SIP and QuantArray Petro analysis
 - Begin preparation of Pilot Study Implementation Report

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PFOS/PFOA SI Update

**BCT Meeting
27 February 2020**

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Site ST012

**Former Liquid Fuel
Storage Area**

**BCT Meeting
27 February 2020**

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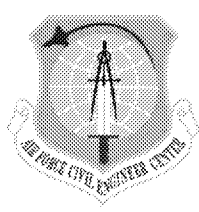
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**Site LF004 Landfill
Remedial Action**

**BCT Conference Call
27 February 2020**



Battle Ready...Built Right!



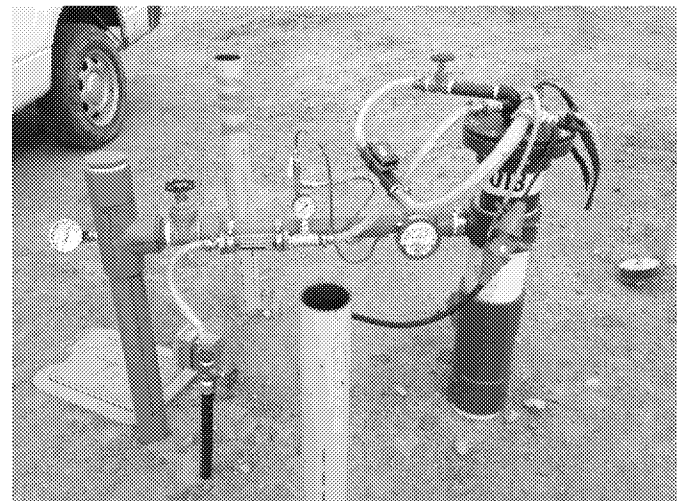
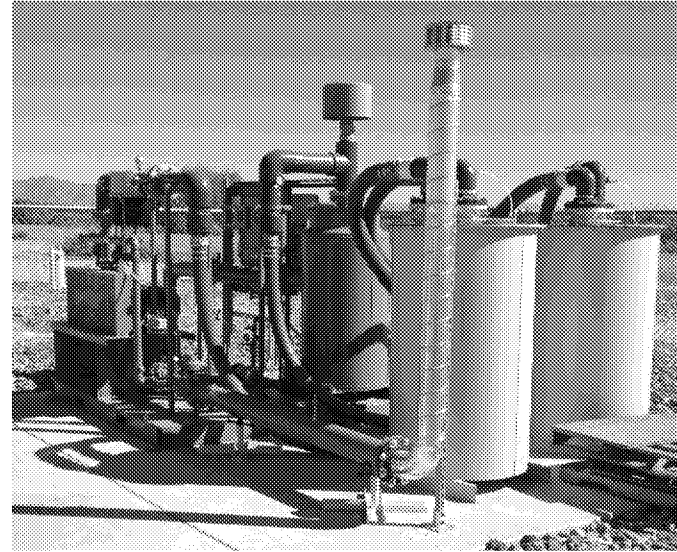
LF004 Recent and Upcoming Activities

- **ADEQ concurrence on final 2018 annual landfill inspection report received 21 Feb 2020**
- **Draft 2019 landfill inspection report under AF review**
- **Technical memo describing decommissioning of SVE and IWAS treatment systems under final AF review. SVE and well decommissioning documents will be submitted to EPA and ADEQ.**
- **Validation of semi-annual (Nov 2019) analytical data complete**



LF01-W17 Area IWAS System Update

- Final November 2019 PDB results indicate all monitoring wells below the TCE MCL with the exception of LF01-W17S (7.9 $\mu\text{g/l}$) and LF01-W30M (10 $\mu\text{g/l}$)
- Previous May 2019 PDB for LF01-W17S (9 $\mu\text{g/l}$) and LF01-W30M (12 $\mu\text{g/l}$)
- Monitoring wells upgradient and downgradient of LF01-W17S and LF01-W30M are below TCE MCL





Southern Area SVE and Oxidant Injection

- **Final November 2019 PDB results indicate only three PCE MCL exceedances: W19S at 7.8 µg/l (dup 8.2 µg/l), W19D 5.6 µg/l (dup 5.4 µg/l), and W24M at 6.2 µg/l (dup 5.4 µg/l). Previous May 2019 PDB results for W19S 8.1 µg/l (dup 9.1 µg/l), and W19D <1.0 µg/l and W24M 9.7 µg/l (dup 8.6 µg/l). .**
- **Upgradient wells in the vicinity of W19 and downgradient wells in the vicinity of W24 are below the PCE MCL**

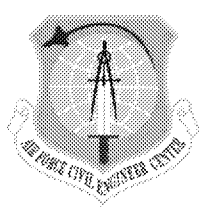
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**Site FT002
Fire Training Area Remedial
Action**

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27 February 2020**



Site FT002 Update

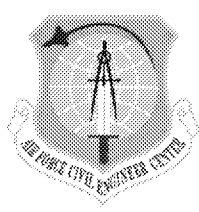
- **AF approved keeping the DEUR in place Nov 2018**
- **AF will prepare Explanation of Significant Differences (ESD) document to add the land use control to the ROD**
- **Revised Final Remedial Action Completion Report submitted 22 Nov 2019**
- **Received EPA comment letter on 31 Dec 2019. Received ADEQ comments on 12 Feb 2020. Response to comments under AF review.**
- **If necessary, a technical conference call with regulatory agencies to resolve comments can be scheduled**

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Site SS017
Old Pesticide/Paint Shop**

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Site SS017 Groundwater Monitoring Update

- Q3 (Aug) 2018 data summary report submitted 12 Apr 2019 under regulatory review. ADEQ comments received on 10 Feb 2020.
- Annual (Nov) 2018 groundwater report submitted 18 Apr 2019. Reissued hard copy reports on 30 Apr 2019. ADEQ comments received on 10 Feb 2020.
- Draft Q2 (Jun) 2019 data summary report submitted 30 Dec 2019. ADEQ comments received on 10 Feb 2020.
- Draft Q3 (Aug) 2019 data summary report submitted 31 Dec 2019. ADEQ comments received on 10 Feb 2020.
- ADEQ concurrence received on 19 Feb 2020 for Field Variance Memo #2
- Draft Q4 (Nov) 2019 annual report under AF review
- Q1 quarterly sampling (MW-02) completed



Parcel K-1-2 Property Transfer

- **FOST (final version in track changes responding to EPA comments) was issued via email for regulatory concurrence 24 Jul 2019 with follow up email 9 Aug 2019**
- **FOST clean copy with all revisions, responses to comment and ADEQ requested changes issued 15 Oct 2019**
- **Final FOST to be routed for AF signature after regulatory concurrence**
- **Draft DEUR and assignment package to be prepared**
- **ADEQ concurrence previously received. EPA concurrence letter received 19 Dec 2019.**

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**Site ST035
Former Building 760**

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ST035 Update

- **SVE system and enclosure decommissioning completed in July. ASU has indicated that the concrete pad, walls, and fencing will be retained for use by facilities management.**
- **Well abandonment activities complete on 22 Oct 2019. Documentation of well abandonment submitted to AF, ADWR and ADEQ.**

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***2020 BCT
MEETINGS/CONFERENCE
CALLS SCHEDULE
DELIVERABLE TRACKING***

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BCT GENERAL UPDATE AND ACTION ITEMS

**BCT Conference Call
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